

TABLE 2
Natural Trigonometric Functions

0° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	← 179°	
↓	sin											↓	↓
0	0.00000		∞		0.00000		∞		1.00000		1.00000	0	60
1	.00029	29	3437.75	—	.00029	29	3437.75	—	.00000	0	.00000	0	59
2	.00058	29	1718.87	1718.88	.00058	29	1718.87	1718.88	.00000	0	.00000	0	58
3	.00087	29	1145.92	572.958	.00087	29	1145.92	572.958	.00000	0	.00000	0	57
4	.00116	29	859.437	286.479	.00116	29	859.436	286.479	.00000	0	.00000	0	56
5	.00145	29	687.550	171.887	.00145	29	687.549	171.887	1.00000	0	1.00000	0	55
6	.00175	30	572.958	114.592	.00175	30	572.957	114.592	.00000	0	.00000	0	54
7	.00204	29	491.107	81.851	.00204	29	491.106	81.851	.00000	0	.00000	0	53
8	.00233	29	429.719	61.388	.00233	29	429.718	61.388	.00000	0	.00000	0	52
9	.00262	29	381.972	47.746	.00262	29	381.971	47.747	.00000	0	.00000	0	51
10	.00291	29	343.775	38.197	.00291	29	343.774	38.199	1.00000	0	1.00000	0	50
11	.00320	29	312.523	31.252	.00320	29	312.521	31.252	.00001	1	.99999	1	49
12	.00349	29	286.479	26.043	.00349	29	286.478	26.044	.00001	0	.99999	0	48
13	.00378	29	264.443	22.037	.00378	29	264.441	22.037	.00001	0	.99999	0	47
14	.00407	29	245.554	18.889	.00407	29	245.552	18.889	.00001	0	.99999	0	46
15	.00436	29	229.184	16.370	.00436	29	229.182	16.370	1.00001	0	0.99999	0	45
16	.00465	30	214.860	14.324	.00465	29	214.858	14.324	.00001	0	.99999	0	44
17	.00495	29	202.221	12.639	.00495	29	202.219	12.639	.00001	0	.99999	0	43
18	.00524	29	190.987	11.234	.00524	29	190.984	11.235	.00001	0	.99999	0	42
19	.00553	29	180.935	10.052	.00553	29	180.932	10.052	.00002	1	.99998	1	41
20	.00582	29	171.888	9.047	.00582	29	171.885	9.047	1.00002	0	0.99998	0	40
21	.00611	29	163.703	8.185	.00611	29	163.700	8.185	.00002	0	.99998	0	39
22	.00640	29	156.262	7.441	.00640	29	156.259	7.441	.00002	0	.99998	0	38
23	.00669	29	149.468	6.794	.00669	29	149.465	6.794	.00002	0	.99998	0	37
24	.00698	29	143.241	6.228	.00698	29	143.237	6.228	.00002	0	.99998	0	36
25	.00727	29	137.511	5.730	.00727	29	137.507	5.730	1.00003	1	0.99997	1	35
26	.00756	29	132.222	5.289	.00756	29	132.219	5.289	.00003	0	.99997	0	34
27	.00785	29	127.325	4.897	.00785	29	127.321	4.897	.00003	0	.99997	0	33
28	.00814	29	122.778	4.547	.00814	29	122.774	4.547	.00003	0	.99997	0	32
29	.00844	30	118.544	4.234	.00844	29	118.540	4.234	.00004	1	.99996	1	31
30	.00873	29	114.593	3.951	.00873	29	114.589	3.952	1.00004	0	0.99996	0	30
31	.00902	29	110.897	3.696	.00902	29	110.892	3.697	.00004	0	.99996	0	29
32	.00931	29	107.431	3.465	.00931	29	107.426	3.466	.00004	0	.99996	0	28
33	.00960	29	104.176	3.255	.00960	29	104.171	3.256	.00005	1	.99995	1	27
34	.00989	29	101.112	3.064	.00989	29	101.107	3.064	.00005	0	.99995	0	26
35	.01018	29	98.2230	2.8888	.01018	29	98.2179	2.8890	1.00005	0	0.99995	0	25
36	.01047	29	95.4947	2.7283	.01047	29	95.4895	2.7285	.00005	0	.99995	0	24
37	.01076	29	92.9139	2.5808	.01076	29	92.9085	2.5810	.00006	1	.99994	1	23
38	.01105	29	90.4689	2.4450	.01105	29	90.4633	2.4452	.00006	0	.99994	0	22
39	.01134	29	88.1492	2.3196	.01135	30	88.1436	2.3198	.00006	0	.99994	0	21
40	.01164	30	85.9456	2.2036	.01164	29	85.9398	2.2038	1.00007	1	0.99993	1	20
41	.01193	29	83.8495	2.0961	.01193	29	83.8435	2.0963	.00007	0	.99993	0	19
42	.01222	29	81.8531	1.9963	.01222	29	81.8470	1.9965	.00007	0	.99993	0	18
43	.01251	29	79.9497	1.9035	.01251	29	79.9434	1.9036	.00008	1	.99992	1	17
44	.01280	29	78.1327	1.8169	.01280	29	78.1263	1.8171	.00008	0	.99992	0	16
45	.01309	29	76.3966	1.7362	.01309	29	76.3900	1.7363	1.00009	1	0.99991	1	15
46	.01338	29	74.7359	1.6607	.01338	29	74.7292	1.6608	.00009	0	.99991	0	14
47	.01367	29	73.1458	1.5900	.01367	29	73.1390	1.5902	.00009	1	.99991	1	13
48	.01396	29	71.6221	1.5238	.01396	29	71.6151	1.5239	.00010	0	.99990	0	12
49	.01425	29	70.1605	1.4616	.01425	29	70.1533	1.4617	.00010	0	.99990	0	11
50	.01454	29	68.7574	1.4031	.01455	30	68.7501	1.4033	1.00011	1	0.99989	1	10
51	.01483	29	67.4093	1.3481	.01484	29	67.4019	1.3482	.00011	0	.99989	0	9
52	.01513	30	66.1130	1.2962	.01513	29	66.1055	1.2964	.00011	0	.99989	0	8
53	.01542	29	64.8657	1.2473	.01542	29	64.8580	1.2475	.00012	1	.99988	1	7
54	.01571	29	63.6646	1.2011	.01571	29	63.6567	1.2013	.00012	0	.99988	0	6
55	.01600	29	62.5072	1.1574	.01600	29	62.4992	1.1576	1.00013	1	0.99987	1	5
56	.01629	29	61.3911	1.1161	.01629	29	61.3829	1.1162	.00013	0	.99987	0	4
57	.01658	29	60.3141	1.0769	.01658	29	60.3058	1.0771	.00014	1	.99986	1	3
58	.01687	29	59.2743	1.0398	.01687	29	59.2659	1.0399	.00014	0	.99986	0	2
59	.01716	29	58.2698	1.0046	.01716	29	58.2612	1.0047	.00015	1	.99985	1	1
60	.01745	29	57.2987	0.9711	.01746	30	57.2900	0.9712	1.00015	0	0.99985	0	0
↑ 90° →	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1' ←	↑ 89°

TABLE 2
Natural Trigonometric Functions

1° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	← 178°	
↓	sin											↓	↓
0	0.01745		57.2987		0.01746		57.2900		1.00015		0.99985	1	60
1	.01774	29	56.3595	9392	.01775	29	56.3506	9394	.00016	1	.99984	1	59
2	.01803	29	55.4505	9089	.01804	29	55.4415	9091	.00016	0	.99984	0	58
3	.01832	29	54.5705	8801	.01833	29	54.5613	8802	.00017	1	.99983	1	57
4	.01862	30	53.7179	8526	.01862	29	53.7086	8527	.00017	0	.99983	0	56
5	.01891	29	52.8916	8263	.01891	29	52.8821	8265	1.00018	1	0.99982	1	55
6	.01920	29	52.0903	8013	.01920	29	52.0807	8014	.00018	0	.99982	0	54
7	.01949	29	51.3129	7774	.01949	29	51.3032	7775	.00019	1	.99981	1	53
8	.01978	29	50.5584	7545	.01978	29	50.5485	7547	.00020	1	.99980	1	52
9	.02007	29	49.8258	7326	.02007	29	49.8157	7328	.00020	0	.99980	0	51
10	.02036	29	49.1141	7117	.02036	29	49.1039	7118	1.00021	1	0.99979	1	50
11	.02065	29	48.4224	6917	.02066	30	48.4121	6918	.00021	0	.99979	0	49
12	.02094	29	47.7500	6724	.02095	29	47.7395	6726	.00022	1	.99978	1	48
13	.02123	29	47.0960	6540	.02124	29	47.0853	6542	.00023	1	.99977	1	47
14	.02152	29	46.4596	6363	.02153	29	46.4489	6365	.00023	0	.99977	0	46
15	.02181	29	45.8403	6194	.02182	29	45.8294	6195	1.00024	1	0.99976	1	45
16	.02211	30	45.2372	6031	.02211	29	45.2261	6032	.00024	0	.99976	0	44
17	.02240	29	44.6498	5874	.02240	29	44.6386	5875	.00025	1	.99975	1	43
18	.02269	29	44.0775	5723	.02269	29	44.0661	5725	.00026	1	.99974	1	42
19	.02298	29	43.5196	5578	.02298	29	43.5081	5580	.00026	0	.99974	0	41
20	.02327	29	42.9757	5439	.02328	30	42.9641	5440	1.00027	1	0.99973	1	40
21	.02356	29	42.4452	5305	.02357	29	42.4335	5306	.00028	0	.99972	0	39
22	.02385	29	41.9277	5175	.02386	29	41.9158	5177	.00028	0	.99972	0	38
23	.02414	29	41.4227	5051	.02415	29	41.4106	5052	.00029	1	.99971	1	37
24	.02443	29	40.9296	4930	.02444	29	40.9174	4932	.00030	1	.99970	1	36
25	.02472	29	40.4482	4814	.02473	29	40.4358	4816	1.00031	1	0.99969	1	35
26	.02501	29	39.9780	4702	.02502	29	39.9655	4704	.00031	0	.99969	0	34
27	.02530	29	39.5185	4594	.02531	29	39.5059	4596	.00032	1	.99968	1	33
28	.02560	30	39.0696	4490	.02560	29	39.0568	4491	.00033	1	.99967	1	32
29	.												

TABLE 2
Natural Trigonometric Functions

Table with columns for angle (2° to 92°), sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1', and 177°. Rows 0-60.

TABLE 2
Natural Trigonometric Functions

Table with columns for angle (3° to 93°), sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1', and 176°. Rows 0-60.

TABLE 2
Natural Trigonometric Functions

4°		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	$\leftarrow 175^\circ$	
↓	sin												↑	↓
0	0.06976	29	14.3356	594	0.06993		14.3007	1.00244		0.99756		60		
1	.07005	29	.2732		.07022	29	.2411	.00246	2	.99754	2	59		
2	.07034	29	.2173	589	.07051	29	.1821	.00248	2	.99752	2	58		
3	.07063	29	.1589	584	.07080	29	.1235	.00250	2	.99750	2	57		
4	.07092	29	.1010	579	.07110	30	.0655	.00252	2	.99748	2	56		
5	0.07121	29	14.0435	575	0.07139	29	14.0079	1.00254	3	0.99746	2	55		
6	.07150	29	13.9865	570	.07168	29	13.9507	.00257	3	.99744	2	54		
7	.07179	29	.9300	565	.07197	29	.8940	.00259	2	.99742	2	53		
8	.07208	29	.8739	561	.07227	30	.8378	.00261	2	.99740	2	52		
9	.07237	29	.8183	556	.07256	29	.7821	.00263	2	.99738	2	51		
10	0.07266	29	13.7631	552	0.07285	29	13.7267	1.00265	2	0.99736	2	50		
11	.07295	29	.7084	547	.07314	30	.6719	.00267	2	.99734	2	49		
12	.07324	29	.6541	543	.07344	30	.6174	.00269	2	.99731	3	48		
13	.07353	29	.6002	539	.07373	29	.5634	.00271	2	.99729	2	47		
14	.07382	29	.5468	534	.07402	29	.5098	.00274	3	.99727	2	46		
15	0.07411	29	13.4937	530	0.07431	29	13.4566	1.00276	2	0.99725	2	45		
16	.07440	29	.4411	526	.07461	30	.4039	.00278	2	.99723	2	44		
17	.07469	29	.3889	522	.07490	29	.3515	.00280	2	.99721	2	43		
18	.07498	29	.3371	518	.07519	29	.2996	.00282	2	.99719	2	42		
19	.07527	29	.2857	514	.07548	29	.2480	.00284	2	.99717	3	41		
20	0.07556	29	13.2347	510	0.07578	30	13.1969	1.00287	3	0.99714	2	40		
21	.07585	29	.1841	506	.07607	29	.1461	.00289	2	.99712	2	39		
22	.07614	29	.1339	502	.07636	29	.0958	.00291	2	.99710	2	38		
23	.07643	29	.0840	498	.07665	30	13.0458	.00293	3	.99708	2	37		
24	.07672	29	13.0346	495	.07695	30	12.9962	.00296	3	.99705	3	36		
25	0.07701	29	12.9855	491	0.07724	29	12.9469	1.00298	2	0.99703	2	35		
26	.07730	29	.9368	487	.07753	29	.8981	.00300	2	.99701	2	34		
27	.07759	29	.8848	484	.07782	29	.8496	.00302	2	.99699	2	33		
28	.07788	29	.8404	480	.07812	30	.8014	.00305	3	.99696	3	32		
29	.07817	29	.7928	476	.07841	29	.7536	.00307	2	.99694	2	31		
30	0.07846	29	12.7455	473	0.07870	29	12.7062	1.00309	2	0.99692	2	30		
31	.07875	29	.6986	469	.07899	30	.6591	.00312	2	.99689	3	29		
32	.07904	29	.6520	466	.07929	30	.6124	.00314	2	.99687	2	28		
33	.07933	29	.6057	462	.07958	29	.5660	.00316	2	.99685	2	27		
34	.07962	29	.5598	459	.07987	29	.5199	.00318	2	.99683	2	26		
35	0.07991	29	12.5142	456	0.08017	30	12.4742	1.00321	3	0.99680	3	25		
36	.08020	29	.4690	452	.08046	29	.4288	.00323	2	.99678	2	24		
37	.08049	29	.4241	449	.08075	29	.3838	.00326	3	.99676	2	23		
38	.08078	29	.3795	446	.08104	29	.3390	.00328	2	.99673	3	22		
39	.08107	29	.3352	443	.08134	30	.2946	.00330	2	.99671	2	21		
40	0.08136	29	12.2913	440	0.08163	29	12.2505	1.00333	3	0.99668	3	20		
41	.08165	29	.2476	436	.08192	29	.2067	.00335	2	.99666	2	19		
42	.08194	29	.2043	433	.08221	29	.1632	.00337	2	.99664	2	18		
43	.08223	29	.1612	430	.08251	30	.1201	.00340	3	.99661	3	17		
44	.08252	29	.1185	427	.08280	29	.0772	.00342	2	.99659	2	16		
45	0.08281	29	12.0761	424	0.08309	29	12.0346	1.00345	3	0.99657	2	15		
46	.08310	29	12.0340	421	.08339	30	11.9923	.00347	2	.99654	3	14		
47	.08339	29	.9506	418	.08368	29	.9504	.00350	2	.99652	2	13		
48	.08368	29	.9066	415	.08397	29	.9087	.00352	2	.99649	3	12		
49	.08397	29	.8639	413	.08427	30	.8673	.00354	2	.99647	2	11		
50	0.08426	29	11.8684	410	0.08456	29	11.8262	1.00357	3	0.99644	3	10		
51	.08455	29	.8277	407	.08485	29	.7853	.00359	2	.99642	2	9		
52	.08484	29	.7873	404	.08514	29	.7448	.00362	3	.99639	3	8		
53	.08513	29	.7471	401	.08544	30	.7045	.00364	2	.99637	2	7		
54	.08542	29	.7073	399	.08573	29	.6645	.00367	3	.99635	2	6		
55	0.08571	29	11.6677	396	0.08602	30	11.6248	1.00369	3	0.99632	3	5		
56	.08600	29	.6284	393	.08632	29	.5853	.00372	2	.99630	2	4		
57	.08629	29	.5893	391	.08661	29	.5461	.00374	2	.99627	3	3		
58	.08658	29	.5505	388	.08690	29	.5072	.00377	3	.99625	2	2		
59	.08687	29	.5120	385	.08720	30	.4685	.00379	3	.99622	3	1		
60	0.08716	29	11.4737	383	0.08749	29	11.4301	1.00382	3	0.99619	3	0		
\uparrow	94°	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'	\uparrow	85°

TABLE 2
Natural Trigonometric Functions

5°		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	$\leftarrow 174^\circ$	
↓	sin												↑	↓
0	0.08716	29	11.4737	380	0.08749		11.4301	1.00382		0.99619		60		
1	.08745	29	.4357	378	.08778	29	.3919	.00385	3	.99754	2	59		
2	.08774	29	.3979	375	.08807	29	.3540	.00387	2	.99752	2	58		
3	.08803	29	.3604	373	.08837	30	.3163	.00390	3	.99750	2	57		
4	.08831	28	.3231	373	.08866	29	.2789	.00392	2	.99748	2	56		
5	0.08860	29	11.2861	370	0.08895	29	11.2417	1.00395	3	0.99746	2	55		
6	.08889	29	.2493	368	.08925	30	.2048	.00397	2	.99744	2	54		
7	.08918	29	.2128	365	.08954	29	.1681	.00400	3	.99742	2	53		
8	.08947	29	.1765	363	.08983	29	.1316	.00403	3	.99740	2	52		
9	.08976	29	.1404	361	.09013	30	.0954	.00405	2	.99738	2	51		
10	0.09005	29	11.1045	358	0.09042	29	11.0594	1.00408	3	0.99736	2	50		
11	.09034	29	.0689	356	.09071	30	.0411	.00411	2	.99734	3	49		
12	.09063	29	.110336	354	.09101	30	10.9882	.00413	2	.99731	3	48		
13	.09092	29	10.9984	352	.09130	29	.9529	.00416	3	.99729	2	47		
14	.09121	29	.9635	349	.09159	29	.9178	.00419	3	.99727	2	46		
15	0.09150	29	10.9288	347	0.09189	30	10.8829	1.00421	2	0.99725	2	45		
16	.09179	29	.8943	345	.09218	29	.8483	.00424	3	.99723	2	44		
17	.09208	29	.8600	343	.09247	29	.8139	.00427	3	.99721	3	43		
18	.09237	29	.8260	341	.09277	30	.7797	.00429	2	.99719	2	42		
19	.09266	29	.7921	338	.09306	29	.7457	.00432	3	.99717	3	41		
20	0.09295	29	10.7585	336	0.09335	29	10.7119	1.00435	3	0.99714	2	40		
21	.09324	29	.7251	334	.09365	30	.6783	.00438	2	.99712	3	39		
22	.09353	29	.6919	332	.09394	29	.6450	.00440	2	.99710	2	38		
23	.09382	29	.6589	330	.09423	30	.6118	.00443	3	.99708	3	37		
24	.09411	29	.6261	328	.09453	29	.5789	.00446	3	.99705	3	36		
25	0.09440	29	10.5935	326	0.09482	29	10.5462	1.00449	3	0.99703	2	35		
26	.09469	29	.5611	324	.09511	30	.5136	.00451	2	.99701	3	34		
27	.09498	29	.5289	322	.09541	29	.4813	.00454	3	.99699	2	33		
28	.09527	29	.4969	320	.09570	30	.4491	.00457	3	.99696	3	32		
29	.09556	29	.4650	318	.09600	29	.4172	.00460	3	.99694	2	31		
30	0.09585	29	10.4334	316	0.09629	29	10.3854	1.00463	3	0.99692	3	30		
31	.09614	29	.4020	314	.09658	30	.3538	.00465	2	.99689	3	29		
32	.09642	28	.3708	312	.09688	29	.3224	.00468	3	.99687	2	28		
33	.09671	29	.3397	310	.09717	30	.2913	.00471	3	.99685	3	27		
34	.09700	29	.308											

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 6° to 96°, trigonometric functions (sin, csc, tan, cot, sec, cos), and their differences. Includes a 173° column on the right.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 7° to 97°, trigonometric functions (sin, csc, tan, cot, sec, cos), and their differences. Includes a 172° column on the right.

TABLE 2
Natural Trigonometric Functions

8° ↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 171° ↓
0	0.13917		7.18530		0.14054		7.11537		1.00983		0.99027		60
1	.13946	29	.17046	1484	.14084	30	.10038	1499	.00987	4	.99023	4	59
2	.13975	29	.15568	1478	.14113	29	.08546	1492	.00991	4	.99019	4	58
3	.14004	29	.14096	1471	.14143	30	.07059	1487	.00995	4	.99015	4	57
4	.14033	28	.12630	1466	.14173	30	.05579	1480	.00999	4	.99011	4	56
5	0.14061		7.11171	1460	0.14202		7.04105	1474	1.01004		0.99006		55
6	.14090	29	.09717	1453	.14232	30	.02637	1469	.01008	4	.99002	4	54
7	.14119	29	.08269	1448	.14262	30	7.01174	1462	.01012	4	.98998	4	53
8	.14148	29	.06828	1441	.14291	29	6.99718	1457	.01016	4	.98994	4	52
9	.14177	29	.05392	1436	.14321	30	.98268	1450	.01020	4	.98990	4	51
10	0.14205		7.03962	1430	0.14351		6.96823	1444	1.01024		0.98986		50
11	.14234	29	.02538	1423	.14381	30	.95385	1439	.01029	4	.98982	4	49
12	.14263	29	7.01120	1417	.14410	29	.93952	1432	.01033	4	.98978	4	48
13	.14292	29	6.99708	1412	.14440	30	.92525	1428	.01037	4	.98973	5	47
14	.14320	28	.98301	1407	.14470	30	.91104	1421	.01041	4	.98969	4	46
15	0.14349		6.96900	1400	0.14499		6.89688	1416	1.01046		0.98965		45
16	.14378	29	.95505	1396	.14529	30	.88278	1410	.01050	4	.98961	4	44
17	.14407	29	.94115	1390	.14559	30	.86874	1404	.01054	4	.98957	4	43
18	.14436	29	.92731	1384	.14588	29	.85475	1399	.01059	4	.98953	4	42
19	.14464	28	.91352	1379	.14618	30	.84082	1393	.01063	4	.98948	5	41
20	0.14493		6.89979	1372	0.14648		6.82694	1388	1.01067		0.98944		40
21	.14522	29	.88612	1368	.14678	30	.81312	1382	.01071	4	.98940	4	39
22	.14551	29	.87250	1362	.14707	29	.79936	1377	.01076	4	.98936	4	38
23	.14580	28	.85893	1357	.14737	30	.78564	1371	.01080	4	.98931	5	37
24	.14608	28	.84542	1351	.14767	30	.77199	1366	.01084	4	.98927	4	36
25	0.14637		6.83196	1346	0.14796		6.75838	1360	1.01089		0.98923		35
26	.14666	29	.81856	1340	.14826	30	.74483	1356	.01093	4	.98919	4	34
27	.14695	29	.80521	1336	.14856	30	.73133	1350	.01097	4	.98914	5	33
28	.14723	28	.79191	1330	.14886	30	.71789	1344	.01102	5	.98910	4	32
29	.14752	29	.77866	1324	.14915	29	.70450	1340	.01106	4	.98906	4	31
30	0.14781		6.76547	1320	0.14945		6.69116	1334	1.01111		0.98902		30
31	.14810	29	.75233	1314	.14975	30	.67787	1329	.01115	4	.98897	4	29
32	.14838	28	.73924	1310	.15005	30	.66463	1323	.01119	4	.98893	4	28
33	.14867	29	.72620	1303	.15034	29	.65144	1319	.01124	4	.98889	4	27
34	.14896	29	.71321	1299	.15064	30	.63831	1313	.01128	4	.98884	5	26
35	0.14925		6.70027	1293	0.15094		6.62523	1309	1.01133		0.98880		25
36	.14954	29	.68738	1289	.15124	30	.61219	1303	.01137	4	.98876	4	24
37	.14982	28	.67454	1283	.15153	29	.59921	1299	.01142	4	.98871	5	23
38	.15011	29	.66176	1279	.15183	30	.58627	1293	.01146	4	.98867	4	22
39	.15040	29	.64902	1273	.15213	30	.57339	1289	.01151	5	.98863	4	21
40	0.15069		6.63633	1269	0.15243		6.56055	1283	1.01155		0.98858		20
41	.15097	28	.62369	1264	.15272	29	.54777	1279	.01160	4	.98854	4	19
42	.15126	29	.61110	1260	.15302	30	.53503	1273	.01164	4	.98849	5	18
43	.15155	29	.59855	1254	.15332	30	.52234	1269	.01169	5	.98845	4	17
44	.15184	29	.58606	1250	.15362	30	.50970	1264	.01173	4	.98841	4	16
45	0.15212		6.57361	1244	0.15391		6.49710	1260	1.01178		0.98836		15
46	.15241	29	.56121	1240	.15421	30	.48456	1254	.01182	4	.98832	4	14
47	.15270	29	.54886	1236	.15451	30	.47206	1250	.01187	4	.98827	5	13
48	.15299	29	.53655	1230	.15481	30	.45961	1246	.01191	4	.98823	4	12
49	.15327	28	.52429	1226	.15511	30	.44720	1240	.01196	4	.98818	5	11
50	0.15356		6.51208	1221	0.15540		6.43484	1236	1.01200		0.98814		10
51	.15385	29	.49991	1217	.15570	30	.42253	1231	.01205	5	.98809	5	9
52	.15414	29	.48779	1212	.15600	30	.41026	1227	.01209	4	.98805	4	8
53	.15442	28	.47572	1208	.15630	30	.39804	1222	.01214	5	.98800	5	7
54	.15471	29	.46369	1202	.15660	30	.38587	1218	.01219	5	.98796	4	6
55	0.15500		6.45171	1199	0.15689		6.37374	1213	1.01223		0.98791		5
56	.15529	29	.43977	1193	.15719	29	.36165	1209	.01228	4	.98787	4	4
57	.15557	28	.42787	1190	.15749	30	.34961	1204	.01233	5	.98782	5	3
58	.15586	29	.41602	1186	.15779	30	.33761	1200	.01237	4	.98778	4	2
59	.15615	29	.40422	1180	.15809	30	.32566	1196	.01242	5	.98773	5	1
60	0.15643		6.39245	1177	0.15838		6.31375	1190	1.01247		0.98769		0

↑ 98° → cos Diff. 1' sec Diff. 1' cot Diff. 1' tan Diff. 1' csc Diff. 1' sin Diff. 1' ← 81°

TABLE 2
Natural Trigonometric Functions

9° ↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 170° ↓
0	0.15643		6.39245		0.15838		6.31375		1.01247		0.98769		60
1	.15672	29	.38073	1171	.15868	30	.30189	1187	.01251	4	.98764	5	59
2	.15701	29	.36906	1168	.15898	30	.29007	1182	.01256	5	.98760	4	58
3	.15730	29	.35743	1163	.15928	30	.27829	1178	.01261	5	.98755	5	57
4	.15758	28	.34584	1159	.15958	30	.26655	1173	.01265	4	.98751	4	56
5	0.15787		6.33429	1154	0.15988		6.25486	1170	1.01270		0.98746		55
6	.15816	29	.32279	1150	.16017	29	.24321	1166	.01275	5	.98741	5	54
7	.15845	29	.31133	1147	.16047	30	.23160	1160	.01279	4	.98737	4	53
8	.15874	28	.29991	1141	.16077	30	.22003	1157	.01284	5	.98732	5	52
9	.15902	29	.28853	1138	.16107	30	.20851	1152	.01289	5	.98728	4	51
10	0.15931		6.27719	1133	0.16137		6.19703	1149	1.01294		0.98723		50
11	.15959	28	.26590	1130	.16167	30	.18559	1144	.01298	4	.98718	5	49
12	.15988	29	.25464	1126	.16196	29	.17419	1140	.01303	4	.98714	4	48
13	.16017	29	.24343	1121	.16226	30	.16283	1136	.01308	5	.98709	5	47
14	.16046	28	.23226	1118	.16256	30	.15151	1131	.01313	5	.98704	5	46
15	0.16074		6.22113	1113	0.16286		6.14023	1128	1.01317		0.98700		45
16	.16103	29	.21004	1110	.16316	30	.12899	1123	.01322	5	.98695	5	44
17	.16132	29	.19898	1106	.16346	30	.11779	1120	.01327	5	.98690	5	43
18	.16160	28	.18797	1101	.16376	30	.10664	1116	.01332	5	.98686	4	42
19	.16189	29	.17700	1098	.16405	29	.09552	1111	.01337	5	.98681	5	41
20	0.16218		6.16607	1093	0.16435		6.08444	1108	1.01342		0.98676		40
21	.16246	28	.15517	1090	.16465	30	.07340	1104	.01346	4	.98671	4	39
22	.16275	29	.14432	1086	.16495	30	.06240	1100	.01351	5	.98667	4	38
23	.16304	29	.13350	1081	.16525	30	.05143	1097	.01356	5	.98662	5	37
24	.16333	29	.12273	1078	.16555	30	.04051	1092	.01361	5	.98657	5	36
25	0.16361		6.11199	1073	0.16585		6.02962	1089	1.01366		0.98652		35
26	.16390	29	.11029	1070	.16615	30	.01878	1084	.01371	4	.98648	4	34
27	.16419	29	.09902	1067	.16645	30	.00797	1080	.01376	5	.98643	5	33
28	.16447	28	.08800	1062	.16674	29	.599720	1078	.01381	5	.98638	5	32
29	.16476	29	.06941	1059	.16704	30	.98646	1073	.01386	5	.98633	5	31
30	0.16505		6.05886	1056	0.16734		5.97576	1070	1.01391		0.98629		30
31	.16533	28	.04834	1051	.16764	30	.96510	1066	.01395	4	.98624	5	29
32	.16562	29	.03787	1048	.16794	30	.95448	1062	.01400	5	.98619	5	28
33	.16591	29	.02743	1043	.16824	30	.94390	1059	.01405	5	.98614	5	27
34	.16620	29	.01702	1040	.16854	30	.93335	1054	.01410	5	.98609	5	26
35													

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 10° to 169°, trigonometric functions (sin, csc, tan, cot, sec, cos), and their differences. Includes a 100° section at the bottom.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 11° to 168°, trigonometric functions (sin, csc, tan, cot, sec, cos), and their differences. Includes a 101° section at the bottom.

TABLE 2 Natural Trigonometric Functions																	
$12^{\circ} \rightarrow$														$\leftarrow 167^{\circ}$			
	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'					
0	0.20791		4.80973		0.21256		4.70463		1.02234		0.97815		60				
1	.20820	29	.80316	658	.21286	30	.69791	672	.02240	6	.97809	6	59				
2	.20848	28	.79661	656	.21316	30	.69121	670	.02247	7	.97803	6	58				
3	.20877	29	.79007	653	.21347	31	.68452	669	.02253	6	.97797	6	57				
4	.20905	28	.78355	651	.21377	30	.67786	667	.02259	6	.97791	6	56				
5	0.20933		4.77705	650	0.21408	31	4.67121	664	1.02266	7	0.97784	7	55				
6	.20962	29	.77057	649	.21438	30	.66458	662	.02272	6	.97778	6	54				
7	.20990	28	.76411	647	.21469	31	.65797	661	.02279	7	.97772	6	53				
8	.21019	29	.75766	644	.21499	30	.65138	660	.02285	6	.97766	6	52				
9	.21047	28	.75123	642	.21529	30	.64480	658	.02291	6	.97760	6	51				
10	0.21076		4.74482	641	0.21560	31	4.63825	656	1.02298	7	0.97754	6	50				
11	.21104	28	.73843	640	.21590	30	.63171	654	.02304	6	.97748	6	49				
12	.21132	29	.73205	638	.21621	31	.62518	652	.02311	7	.97742	6	48				
13	.21161	28	.72569	636	.21651	30	.61868	650	.02317	6	.97735	6	47				
14	.21189	29	.71935	634	.21682	31	.61219	649	.02323	6	.97729	6	46				
15	0.21218		4.71303	632	0.21712	30	4.60572	648	1.02330	7	0.97723	6	45				
16	.21246	28	.70673	630	.21743	31	.59927	646	.02336	6	.97717	6	44				
17	.21275	29	.70044	629	.21773	30	.59283	643	.02343	7	.97711	6	43				
18	.21303	28	.69417	628	.21804	31	.58641	641	.02349	6	.97705	6	42				
19	.21331	29	.68791	626	.21834	30	.58001	640	.02356	7	.97698	7	41				
20	0.21360		4.68167	623	0.21864	31	4.57363	639	1.02362	6	0.97692	6	40				
21	.21388	28	.67545	622	.21895	30	.56726	637	.02369	7	.97686	6	39				
22	.21417	29	.66925	620	.21925	30	.56091	636	.02375	6	.97680	6	38				
23	.21445	28	.66307	619	.21956	31	.55458	633	.02382	7	.97673	7	37				
24	.21474	29	.65690	617	.21986	30	.54826	631	.02388	6	.97667	6	36				
25	0.21502		4.65074	616	0.22017	31	4.54196	630	1.02395	7	0.97661	6	35				
26	.21530	28	.64461	613	.22047	30	.53568	629	.02402	6	.97655	6	34				
27	.21559	29	.63849	611	.22078	31	.52941	627	.02408	7	.97648	7	33				
28	.21587	28	.63238	610	.22108	30	.52316	626	.02415	6	.97642	6	32				
29	.21616	29	.62630	609	.22139	31	.51693	623	.02421	6	.97636	6	31				
30	0.21644		4.62023	608	0.22169	30	4.51071	621	1.02428	7	0.97630	6	30				
31	.21672	28	.61417	606	.22200	31	.50451	620	.02435	6	.97623	6	29				
32	.21701	29	.60813	603	.22231	30	.49832	619	.02441	7	.97617	6	28				
33	.21729	28	.60211	602	.22261	31	.49215	617	.02448	6	.97611	6	27				
34	.21758	29	.59611	600	.22292	30	.48600	616	.02454	6	.97604	6	26				
35	0.21786		4.59012	599	0.22322	31	4.47986	613	1.02461	7	0.97598	6	25				
36	.21814	28	.58414	598	.22353	30	.47374	612	.02468	6	.97592	6	24				
37	.21843	29	.57819	596	.22383	31	.46764	610	.02474	7	.97585	6	23				
38	.21871	28	.57224	594	.22414	30	.46155	609	.02481	7	.97579	6	22				
39	.21899	29	.56632	592	.22444	31	.45548	608	.02488	6	.97573	6	21				
40	0.21928		4.56041	591	0.22475	30	4.44942	606	1.02494	6	0.97566	7	20				
41	.21956	28	.55451	590	.22506	31	.44338	604	.02501	7	.97560	6	19				
42	.21985	29	.54863	588	.22536	30	.43735	602	.02508	6	.97553	7	18				
43	.22013	28	.54277	587	.22567	31	.43134	601	.02515	7	.97547	6	17				
44	.22041	29	.53692	584	.22597	30	.42534	600	.02521	6	.97541	6	16				
45	0.22070		4.53109	583	0.22628	31	4.41936	598	1.02528	7	0.97534	7	15				
46	.22098	28	.52527	581	.22658	30	.41340	597	.02535	7	.97528	6	14				
47	.22126	29	.51947	580	.22689	31	.40745	594	.02542	6	.97521	7	13				
48	.22155	28	.51368	579	.22719	30	.40152	593	.02548	6	.97515	6	12				
49	.22183	29	.50791	578	.22750	31	.39560	591	.02555	7	.97508	6	11				
50	0.22212		4.50216	576	0.22781	30	4.38969	590	1.02562	6	0.97502	6	10				
51	.22240	28	.49642	574	.22811	31	.38381	589	.02569	7	.97496	6	9				
52	.22268	29	.49069	572	.22842	30	.37793	588	.02576	6	.97489	7	8				
53	.22297	28	.48498	571	.22872	31	.37207	586	.02582	6	.97483	6	7				
54	.22325	29	.47928	570	.22903	30	.36623	584	.02589	7	.97476	7	6				
55	0.22353		4.47360	569	0.22934	31	4.36040	582	1.02596	6	0.97470	6	5				
56	.22382	28	.46793	567	.22964	30	.35459	581	.02603	7	.97463	7	4				
57	.22410	29	.46228	566	.22995	31	.34879	580	.02610	6	.97457	6	3				
58	.22438	28	.45664	563	.23026	30	.34300	579	.02617	7	.97450	7	2				
59	.22467	29	.45102	562	.23056	31	.33723	578	.02624	6	.97444	6	1				
60	0.22495		4.44541	560	0.23087	30	4.33148	576	1.02630	6	0.97437	7	0				
$\uparrow 102^{\circ} \rightarrow$	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'	$\uparrow 77^{\circ}$				

TABLE 2 Natural Trigonometric Functions																	
$13^{\circ} \rightarrow$														$\leftarrow 166^{\circ}$			
	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'					
0	0.22495		4.44541		0.23087		4.33148		1.02630		0.97437		60				
1	.22523	28	.43982	560	.23117	30	.32573	574	.02637	7	.97430	7	59				
2	.22552	29	.43424	558	.23148	31	.32001	572	.02644	7	.97424	6	58				
3	.22580	28	.42867	557	.23179	31	.31430	571	.02651	7	.97417	7	57				
4	.22608	29	.42312	556	.23209	30	.30860	570	.02658	7	.97411	6	56				
5	0.22637		4.41759	553	0.23240	31	4.30291	569	1.02665	7	0.97404	7	55				
6	.22665	28	.41206	552	.23271	31	.29724	567	.02672	7	.97398	6	54				
7	.22693	29	.40656	550	.23301	30	.29159	566	.02679	7	.97391	7	53				
8	.22722	28	.40106	550	.23332	31	.28595	564	.02686	7	.97384	7	52				
9	.22750	29	.39558	548	.23363	30	.28032	562	.02693	7	.97378	6	51				
10	0.22778		4.39012	547	0.23393	31	4.27471	561	1.02700	7	0.97371	7	50				
11	.22807	29	.38466	546	.23424	31	.26911	560	.02707	7	.97365	6	49				
12	.22835	28	.37923	545	.23455	31	.26352	559	.02714	7	.97358	7	48				
13	.22863	29	.37380	542	.23485	30	.25795	558	.02721	7	.97351	7	47				
14	.22892	28	.36839	541	.23516	31	.25239	556	.02728	7	.97345	6	46				
15	0.22920		4.36299	540	0.23547	30	4.24685	554	1.02735	7	0.97338	7	45				
16	.22948	28	.35761	539	.23578	31	.24132	553	.02742	7	.97331	7	44				
17	.22977	29	.35224	537	.23608	30	.23580	551	.02749	7	.97325	6	43				
18	.23005	28	.34689	536	.23639	31	.23030	550	.02756	7	.97318	7	42				
19	.23033	29	.34154	534	.23670	30	.22481	549	.02763	7	.97311	7	41				
20	0.23062		4.33622	532	0.23700	31	4.21933	548	1.02770	7	0.97304	7	40				
21	.23090	28	.33090	531	.23731	31	.21387	547	.02777	7	.97298	6	39				
22	.23118	29	.32560	530	.23762	31	.20842	544	.02784	7	.97291	7	38				
23	.23146	28	.32031	529	.23793	30	.20298	543	.02791	7	.97284	7	37				
24	.23175	29	.31503	528	.23824	31	.19756	542	.02799	8	.97278	6	36				
25	0.23203		4.30977	527	0.23854	30	4.19215	540	1.02806	7	0.97271	7	35				
26	.23231	28	.30452	524	.23885	31	.18675	540	.02813	7	.97264	7	34				
27	.23260	29	.29929	523	.23916	31	.18137	539	.02820	7	.97257	7	33				
28	.23288	28	.29406	522	.23946	30	.17600	538	.02827	7	.97251	6	32				
29	.23316	29	.28885	520	.23977	31	.17064	536	.02834	7	.97244	7	31				
30	0.23345		4.28366	520	0.24008	30	4.16530	534	1.02842	8	0.97237	7	30				
31	.23373	28	.27847	519	.24039	31	.15997	533	.02849	7	.97230	7	29				
32	.23401	29	.27301	518	.24069	30	.15465	531	.02856	7	.97223	7	28				
33	.23429	28	.26814	516	.24100	31	.14934	530	.02863	7	.97217	6	27				
34	.23458	29	.26300	514	.24131	31	.14405	530	.02870	7	.97210	7					

TABLE 2 Natural Trigonometric Functions

Table with columns for angles 14°, 15°, and 16°, and functions sin, csc, tan, cot, sec, cos. Includes headers for '14°', '15°', and '16°' and '104°', '105°', and '174°'. The table contains multiple columns of numerical values for each function across the specified angles.

TABLE 2 Natural Trigonometric Functions

Table with columns for angles 15°, 16°, and 174°, and functions sin, csc, tan, cot, sec, cos. Includes headers for '15°', '16°', and '174°' and '105°', '105°', and '74°'. The table contains multiple columns of numerical values for each function across the specified angles.

TABLE 2 Natural Trigonometric Functions													
16°→								← 163°					
↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	↑
0	0.27564	28	3.62796	368	0.28675	31	3.48741	382	1.04030	8	0.96126	8	60
1	.27592	28	.62428	368	.28706	31	.48359	382	.04039	8	.96118	8	59
2	.27620	28	.62061	367	.28738	32	.47977	381	.04047	8	.96110	8	58
3	.27648	28	.61695	367	.28769	31	.47596	380	.04056	8	.96102	8	57
4	.27676	28	.61330	366	.28801	32	.47216	380	.04065	9	.96094	8	56
5	0.27704	27	3.60965	364	0.28832	31	3.46837	380	1.04073	8	0.96086	8	55
6	.27731	27	.60601	363	.28864	32	.46458	379	.04082	8	.96078	8	54
7	.27759	28	.60238	363	.28895	31	.46080	378	.04091	9	.96070	8	53
8	.27787	28	.59876	362	.28927	32	.45703	378	.04100	9	.96062	8	52
9	.27815	28	.59514	361	.28958	31	.45327	377	.04108	8	.96054	8	51
10	0.27843	28	3.59154	360	0.28990	32	3.44951	376	1.04117	9	0.96046	8	50
11	.27871	28	.58794	360	.29021	31	.44576	374	.04126	9	.96037	9	49
12	.27899	28	.58434	360	.29053	32	.44202	374	.04135	9	.96029	8	48
13	.27927	28	.58076	359	.29084	31	.43829	373	.04144	9	.96021	8	47
14	.27955	28	.57718	358	.29116	32	.43456	372	.04152	8	.96013	8	46
15	0.27983	28	3.57361	358	0.29147	31	3.43084	371	1.04161	9	0.96005	8	45
16	.28011	28	.57005	357	.29179	32	.42713	371	.04170	9	.95997	8	44
17	.28039	28	.56649	356	.29210	31	.42343	370	.04179	9	.95989	8	43
18	.28067	28	.56294	354	.29242	32	.41973	370	.04188	9	.95981	8	42
19	.28095	28	.55940	354	.29274	32	.41604	369	.04197	9	.95972	9	41
20	0.28123	28	3.55587	353	0.29305	31	3.41236	369	1.04206	9	0.95964	8	40
21	.28150	27	.55234	352	.29337	32	.40869	368	.04214	8	.95956	8	39
22	.28178	28	.54883	351	.29368	31	.40502	367	.04223	9	.95948	8	38
23	.28206	28	.54531	351	.29400	32	.40136	366	.04232	9	.95940	8	37
24	.28234	28	.54181	350	.29432	32	.39771	366	.04241	9	.95931	9	36
25	0.28262	28	3.53831	350	0.29463	31	3.39406	364	1.04250	9	0.95923	8	35
26	.28290	28	.53482	349	.29495	32	.39042	363	.04259	8	.95915	8	34
27	.28318	28	.53134	349	.29526	31	.38679	363	.04268	8	.95907	8	33
28	.28346	28	.52787	348	.29558	32	.38317	362	.04277	9	.95898	9	32
29	.28374	28	.52440	347	.29590	32	.37955	361	.04286	9	.95890	8	31
30	0.28402	28	3.52094	347	0.29621	31	3.37594	360	1.04295	9	0.95882	8	30
31	.28429	27	.51748	346	.29653	32	.37234	360	.04304	9	.95874	8	29
32	.28457	28	.51404	344	.29685	32	.36875	360	.04313	9	.95865	8	28
33	.28485	28	.51060	343	.29716	31	.36516	359	.04322	9	.95857	8	27
34	.28513	28	.50716	343	.29748	32	.36158	359	.04331	9	.95849	8	26
35	0.28541	28	3.50374	342	0.29780	32	3.35800	358	1.04340	9	0.95841	8	25
36	.28569	28	.50032	341	.29811	31	.35443	357	.04349	9	.95832	8	24
37	.28597	28	.49691	341	.29843	32	.35087	357	.04358	9	.95824	8	23
38	.28625	28	.49350	340	.29875	32	.34732	356	.04367	9	.95816	8	22
39	.28652	27	.49010	340	.29906	31	.34377	354	.04376	9	.95807	9	21
40	0.28680	28	3.48671	340	0.29938	32	3.34023	353	1.04385	9	0.95799	8	20
41	.28708	28	.48333	339	.29970	32	.33670	353	.04394	9	.95791	8	19
42	.28736	28	.47995	338	.30001	31	.33317	352	.04403	9	.95782	9	18
43	.28764	28	.47658	338	.30033	32	.32965	351	.04413	10	.95774	8	17
44	.28792	28	.47321	337	.30065	32	.32614	351	.04422	9	.95766	8	16
45	0.28820	28	3.46986	336	0.30097	32	3.32264	350	1.04431	9	0.95757	9	15
46	.28847	27	.46651	336	.30128	31	.31914	350	.04440	9	.95749	8	14
47	.28875	28	.46316	334	.30160	32	.31565	350	.04449	9	.95740	9	13
48	.28903	28	.45983	333	.30192	32	.31216	349	.04458	9	.95732	8	12
49	.28931	28	.45650	333	.30224	32	.30868	348	.04468	10	.95724	8	11
50	0.28959	28	3.45317	332	0.30255	31	3.30521	348	1.04477	9	0.95715	9	10
51	.28987	28	.44986	331	.30287	32	.30174	347	.04486	9	.95707	8	9
52	.29015	28	.44655	331	.30319	32	.29829	346	.04495	9	.95698	8	8
53	.29042	27	.44324	330	.30351	32	.29483	346	.04504	9	.95690	8	7
54	.29070	28	.43995	330	.30382	31	.29139	344	.04514	10	.95681	9	6
55	0.29098	28	3.43666	330	0.30414	32	3.28795	343	1.04523	9	0.95673	8	5
56	.29126	28	.43337	329	.30446	32	.28452	343	.04532	9	.95664	9	4
57	.29154	28	.43010	328	.30478	32	.28109	342	.04541	9	.95656	8	3
58	.29182	28	.42683	328	.30509	31	.27767	341	.04551	10	.95647	9	2
59	.29209	27	.42356	327	.30541	32	.27426	341	.04560	9	.95639	8	1
60	0.29237	28	3.42030	327	0.30573	32	3.27085	340	1.04569	9	0.95630	9	0
↑		Diff. 1'		Diff. 1'		Diff. 1'		Diff. 1'		Diff. 1'		Diff. 1'	↑

106°→								← 73°					
↑	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'	↑

TABLE 2 Natural Trigonometric Functions													
17°→								← 162°					
↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	↑
0	0.29237	28	3.42030	326	0.30573	32	3.27085	340	1.04569	9	0.95630	8	60
1	.29265	28	.41705	326	.30605	32	.26745	340	.04578	9	.95622	8	59
2	.29293	28	.41381	324	.30637	32	.26406	339	.04588	10	.95613	9	58
3	.29321	28	.41057	323	.30669	32	.26067	339	.04597	9	.95605	8	57
4	.29348	27	.40734	323	.30700	31	.25729	339	.04606	9	.95596	9	56
5	0.29376	28	3.40411	322	0.30732	32	3.25392	338	1.04616	10	0.95588	8	55
6	.29404	28	.40089	321	.30764	32	.25055	337	.04625	9	.95579	9	54
7	.29432	28	.39768	321	.30796	32	.24719	337	.04635	10	.95571	8	53
8	.29460	28	.39448	320	.30828	32	.24383	336	.04644	9	.95562	9	52
9	.29487	27	.39128	320	.30860	32	.24049	334	.04653	9	.95554	8	51
10	0.29515	28	3.38808	320	0.30891	31	3.23714	334	1.04663	10	0.95545	9	50
11	.29543	28	.38489	319	.30923	32	.23381	333	.04672	9	.95536	9	49
12	.29571	28	.38171	319	.30955	32	.23048	332	.04682	10	.95528	8	48
13	.29599	28	.37854	318	.30987	32	.22715	332	.04691	9	.95519	9	47
14	.29626	27	.37537	317	.31019	32	.22384	331	.04700	9	.95511	8	46
15	0.29654	28	3.37221	317	0.31051	32	3.22053	331	1.04710	10	0.95502	9	45
16	.29682	28	.36905	316	.31083	32	.21722	330	.04719	9	.95493	9	44
17	.29710	27	.36590	314	.31115	32	.21392	330	.04729	10	.95485	8	43
18	.29737	27	.36276	314	.31147	32	.21063	330	.04738	9	.95476	9	42
19	.29765	28	.35962	313	.31178	31	.20734	329	.04748	10	.95467	8	41
20	0.29793	28	3.35649	313	0.31210	32	3.20406	329	1.04757	9	0.95459	8	40
21	.29821	28	.35336	312	.31242	32	.20079	328	.04767	10	.95450	9	39
22	.29849	28	.35025	311	.31274	32	.19752	327	.04776	9	.95441	9	38
23	.29876	27	.34713	311	.31306	32	.19426	327	.04786	10	.95433	8	37
24	.29904	28	.34403	310	.31338	32	.19100	326	.04795	9	.95424	9	36
25	0.29932	28	3.34092	310	0.31370	32	3.18775	324	1.04805	10	0.95415	9	35
26	.29960	28	.33783	310	.31402	32	.18451	324	.04815	10	.95407	8	34
27	.29987	27	.33474	309	.31434	32	.18127	323	.04824	9	.95398	9	33
28	.30015	28	.33166	309	.31466	32	.17804	323	.04834	10	.95389	9	32
29	.30043	28	.32858	308	.31498	32	.17481	322	.04843	9	.95380	9	31
30	0.30071	28	3.32551	308	0.31530	32	3.17159	321	1.04853	10	0.95372	8	30
31	.30098	27	.32244	307	.31562	32	.16838	321	.04863	10	.95363	9	29
32	.30126	28	.31939	306	.31594	32	.16517	320	.04872	9	.95354	9	28
33	.30154	28											

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 180 and 161, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Values range from 0 to 60 degrees.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 190 and 160, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Values range from 0 to 60 degrees.

TABLE 2 Natural Trigonometric Functions													
20° →			Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	← 159°			
↓	sin	1'	csc	1'	tan	1'	cot	1'	sec	1'	cos	1'	↓
0	0.34202		2.92380		0.36397		2.74748		1.06418		0.93969		60
1	.34229	27	.92147	233	.36430	33	.74499	249	.06429	11	.93959	10	59
2	.34257	28	.91914	232	.36463	33	.74251	249	.06440	11	.93949	10	58
3	.34284	27	.91681	233	.36496	33	.74004	248	.06452	12	.93939	10	57
4	.34311	28	.91449	232	.36529	33	.73756	248	.06463	11	.93929	10	56
5	0.34339		2.91217		0.36562		2.73509		1.06474		0.93919		55
6	.34366	27	.90986	231	.36595	33	.73263	247	.06486	12	.93909	10	54
7	.34393	27	.90754	231	.36628	33	.73017	247	.06497	11	.93899	10	53
8	.34421	28	.90524	230	.36661	33	.72771	246	.06508	11	.93889	10	52
9	.34448	27	.90293	230	.36694	33	.72526	246	.06520	12	.93879	10	51
10	0.34475		2.90063		0.36727		2.72281		1.06531		0.93869		50
11	.34503	28	.89834	230	.36760	33	.72036	244	.06542	11	.93859	10	49
12	.34530	27	.89605	230	.36793	33	.71792	244	.06554	12	.93849	10	48
13	.34557	27	.89376	229	.36826	33	.71548	243	.06565	11	.93839	10	47
14	.34584	27	.89148	229	.36859	33	.71305	243	.06577	12	.93829	10	46
15	0.34612		2.88920		0.36892		2.71062		1.06588		0.93819		45
16	.34639	27	.88692	228	.36925	33	.70819	242	.06600	12	.93809	10	44
17	.34666	27	.88465	228	.36958	33	.70577	242	.06611	11	.93799	10	43
18	.34694	28	.88238	227	.36991	33	.70335	241	.06622	11	.93789	10	42
19	.34721	27	.88011	227	.37024	33	.70094	241	.06634	12	.93779	10	41
20	0.34748		2.87785		0.37057		2.69853		1.06645		0.93769		40
21	.34775	28	.87560	226	.37090	33	.69612	240	.06657	12	.93759	10	39
22	.34803	28	.87334	226	.37123	33	.69371	240	.06668	11	.93749	10	38
23	.34830	27	.87109	224	.37157	34	.69131	240	.06680	11	.93738	10	37
24	.34857	27	.86885	224	.37190	33	.68892	240	.06691	11	.93728	10	36
25	0.34884		2.86661		0.37223		2.68653		1.06703		0.93718		35
26	.34912	28	.86437	223	.37256	33	.68414	239	.06715	12	.93708	10	34
27	.34939	27	.86213	223	.37289	33	.68175	239	.06726	11	.93698	10	33
28	.34966	27	.85990	223	.37322	33	.67937	239	.06738	12	.93688	10	32
29	.34993	27	.85767	222	.37355	33	.67700	238	.06749	11	.93677	10	31
30	0.35021		2.85545		0.37388		2.67462		1.06761		0.93667		30
31	.35048	27	.85323	221	.37422	34	.67225	237	.06773	12	.93657	10	29
32	.35075	27	.85102	221	.37455	33	.66989	237	.06784	11	.93647	10	28
33	.35102	27	.84880	221	.37488	33	.66752	237	.06796	12	.93637	10	27
34	.35130	28	.84659	220	.37521	33	.66516	236	.06807	11	.93626	10	26
35	0.35157		2.84439		0.37554		2.66281		1.06819		0.93616		25
36	.35184	27	.84219	220	.37588	34	.66046	236	.06831	12	.93606	10	24
37	.35211	27	.83999	220	.37621	33	.65811	236	.06842	11	.93596	10	23
38	.35239	28	.83780	220	.37654	33	.65576	234	.06854	12	.93585	10	22
39	.35266	27	.83561	220	.37687	33	.65342	234	.06866	12	.93575	10	21
40	0.35293		2.83342		0.37720		2.65109		1.06878		0.93565		20
41	.35320	27	.83124	219	.37754	34	.64875	233	.06889	11	.93555	10	19
42	.35347	27	.82906	218	.37787	33	.64642	232	.06901	12	.93544	10	18
43	.35375	28	.82688	218	.37820	33	.64410	232	.06913	12	.93534	10	17
44	.35402	27	.82471	218	.37853	33	.64177	232	.06925	12	.93524	10	16
45	0.35429		2.82254		0.37887		2.63945		1.06936		0.93514		15
46	.35456	27	.82037	217	.37920	33	.63714	231	.06948	11	.93503	10	14
47	.35484	28	.81821	217	.37953	33	.63483	231	.06960	12	.93493	10	13
48	.35511	27	.81605	216	.37986	33	.63252	230	.06972	12	.93483	10	12
49	.35538	27	.81390	216	.38020	34	.63021	230	.06984	12	.93472	11	11
50	0.35565		2.81175		0.38053		2.62791		1.06995		0.93462		10
51	.35592	27	.80960	214	.38086	33	.62561	230	.07007	12	.93452	10	9
52	.35619	28	.80746	214	.38120	34	.62332	230	.07019	12	.93441	10	8
53	.35647	28	.80531	214	.38153	33	.62103	230	.07031	12	.93431	10	7
54	.35674	27	.80318	213	.38186	33	.61874	229	.07043	12	.93420	10	6
55	0.35701		2.80104		0.38220		2.61646		1.07055		0.93410		5
56	.35728	27	.79891	213	.38253	33	.61418	229	.07067	12	.93400	10	4
57	.35755	27	.79679	212	.38286	33	.61190	228	.07079	12	.93389	10	3
58	.35782	27	.79466	212	.38320	34	.60963	228	.07091	12	.93379	10	2
59	.35810	28	.79254	211	.38353	33	.60736	228	.07103	12	.93368	10	1
60	0.35837		2.79043		0.38386		2.60509		1.07114		0.93358		0
↑	110° →	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	↑
↑	cos	1'	sec	1'	cot	1'	tan	1'	csc	1'	sin	1'	← 69°

TABLE 2 Natural Trigonometric Functions													
21° →			Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	Diff.	← 158°			
↓	sin	1'	csc	1'	tan	1'	cot	1'	sec	1'	cos	1'	↓
0	0.35837		2.79043		0.38386		2.60509		1.07114		0.93358		60
1	.35864	27	.78832	211	.38420	34	.60283	227	.07126	12	.93348	10	59
2	.35891	27	.78621	210	.38453	33	.60057	226	.07138	12	.93337	10	58
3	.35918	27	.78410	210	.38487	34	.59831	226	.07150	12	.93327	10	57
4	.35945	28	.78200	210	.38520	33	.59606	226	.07162	12	.93316	10	56
5	0.35973		2.77990		0.38553		2.59381		1.07174		0.93306		55
6	.36000	27	.77780	210	.38587	34	.59156	224	.07186	12	.93295	10	54
7	.36027	27	.77571	210	.38620	33	.58932	224	.07199	13	.93285	10	53
8	.36054	27	.77362	209	.38654	34	.58708	223	.07211	12	.93274	10	52
9	.36081	27	.77154	209	.38687	33	.58484	223	.07223	12	.93264	10	51
10	0.36108		2.76945		0.38721		2.58261		1.07235		0.93253		50
11	.36135	27	.76737	208	.38754	33	.58038	222	.07247	12	.93243	10	49
12	.36162	27	.76530	208	.38787	33	.57815	222	.07259	12	.93232	10	48
13	.36190	28	.76323	208	.38821	34	.57593	222	.07271	12	.93222	10	47
14	.36217	27	.76116	207	.38854	33	.57371	221	.07283	12	.93211	10	46
15	0.36244		2.75909		0.38888		2.57150		1.07295		0.93201		45
16	.36271	27	.75703	207	.38921	33	.56928	221	.07307	12	.93190	10	44
17	.36298	27	.75497	206	.38955	34	.56707	220	.07320	13	.93180	10	43
18	.36325	27	.75292	206	.38988	33	.56487	220	.07332	12	.93169	10	42
19	.36352	27	.75086	206	.39022	34	.56266	220	.07344	12	.93159	10	41
20	0.36379		2.74881		0.39055		2.56046		1.07356		0.93148		40
21	.36406	28	.74677	204	.39089	34	.55827	220	.07368	12	.93137	10	39
22	.36434	28	.74473	204	.39122	33	.55608	220	.07380	12	.93127	10	38
23	.36461	27	.74269	203	.39156	34	.55389	219	.07393	13	.93116	10	37
24	.36488	27	.74065	203	.39190	34	.55170	219	.07405	12	.93106	10	36
25	0.36515		2.73862		0.39223		2.54952		1.07417		0.93095		35
26	.36542	27	.73659	202	.39257	34	.54734	219	.07429	12	.93084	10	34
27	.36569	27	.73456	202	.39290	33	.54516	218	.07442	13	.93074	10	33
28	.36596	27	.73254	202	.39324	34	.54299	218	.07454	12	.93063	10	32
29	.36623	27	.73052	201	.39357	33	.54082	218	.07466	12	.93052	10	31
30	0.36650		2.72850		0.39391		2.53865		1.07479		0.93042		30
31	.36677	27	.72649	201	.39425	34	.53648	217	.07491	12	.93031	10	29
32	.36704	27	.72448	201	.39458	33	.53432	217	.07503	12	.93020	10	28
33	.36731	27	.72247	200	.39492	34	.53217	216	.07516	13	.93010	10	27
34	.36758	27	.72047	200	.39526	34	.53001	216	.07528	12	.92999	10	26
35	0.3678												

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 22° and 157°, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles from 0 to 60 degrees.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 23° and 156°, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles from 0 to 60 degrees.

TABLE 2
Natural Trigonometric Functions

24° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 155°	
↓	sin												↑	↓
0	0.40674		2.45859	160	0.44523		2.24604		1.09464		0.91355		60	
1	.40700	26	.45699	160	.44558	35	.24428	176	.09478	14	.91343	12	59	
2	.40727	27	.45539	160	.44593	35	.24252	176	.09492	14	.91331	12	58	
3	.40753	26	.45378	160	.44627	34	.24077	176	.09506	14	.91319	12	57	
4	.40780	26	.45219	160	.44662	35	.23902	176	.09520	14	.91307	12	56	
5	0.40806	26	2.45059	160	0.44697	35	2.23727	174	1.09535	15	0.91295	12	55	
6	.40833	27	.44900	160	.44732	35	.23553	174	.09549	14	.91283	12	54	
7	.40860	26	.44741	160	.44767	35	.23378	174	.09563	14	.91272	11	53	
8	.40886	27	.44582	159	.44802	35	.23204	174	.09577	14	.91260	12	52	
9	.40913	27	.44423	159	.44837	35	.23030	173	.09592	15	.91248	12	51	
10	0.40939	26	2.44264	159	0.44872	35	2.22857	173	1.09606	14	0.91236	12	50	
11	.40966	26	.44106	159	.44907	35	.22683	173	.09620	14	.91224	12	49	
12	.40992	26	.43948	158	.44942	35	.22510	173	.09635	15	.91212	12	48	
13	.41019	27	.43790	158	.44977	35	.22337	172	.09649	14	.91200	12	47	
14	.41045	26	.43633	158	.45012	35	.22164	172	.09663	14	.91188	12	46	
15	0.41072	27	2.43476	158	0.45047	35	2.21992	172	1.09678	15	0.91176	12	45	
16	.41098	26	.43318	158	.45082	35	.21819	172	.09692	14	.91164	12	44	
17	.41125	26	.43162	157	.45117	35	.21647	172	.09707	15	.91152	12	43	
18	.41151	26	.43005	157	.45152	35	.21475	171	.09721	14	.91140	12	42	
19	.41178	26	.42848	157	.45187	35	.21304	171	.09735	14	.91128	12	41	
20	0.41204	26	2.42692	157	0.45222	35	2.21132	171	1.09750	15	0.91116	12	40	
21	.41231	27	.42536	156	.45257	35	.20961	171	.09764	14	.91104	12	39	
22	.41257	26	.42380	156	.45292	35	.20790	171	.09779	15	.91092	12	38	
23	.41284	26	.42225	156	.45327	35	.20619	170	.09793	14	.91080	12	37	
24	.41310	26	.42070	156	.45362	35	.20449	170	.09808	15	.91068	12	36	
25	0.41337	27	2.41914	156	0.45397	35	2.20278	170	1.09822	14	0.91056	12	35	
26	.41363	26	.41760	154	.45432	35	.20108	170	.09837	15	.91044	12	34	
27	.41390	27	.41605	154	.45467	35	.19938	170	.09851	14	.91032	12	33	
28	.41416	26	.41450	154	.45502	35	.19769	170	.09866	15	.91020	12	32	
29	.41443	27	.41296	154	.45538	36	.19599	170	.09880	14	.91008	12	31	
30	0.41469	26	2.41142	154	0.45573	35	2.19430	170	1.09895	15	0.90996	12	30	
31	.41496	26	.40988	153	.45608	35	.19261	170	.09909	14	.90984	12	29	
32	.41522	27	.40835	153	.45643	35	.19092	169	.09924	15	.90972	12	28	
33	.41549	26	.40681	153	.45678	35	.18923	169	.09939	15	.90960	12	27	
34	.41575	26	.40528	153	.45713	35	.18755	169	.09953	14	.90948	12	26	
35	0.41602	26	2.40375	152	0.45748	35	2.18587	169	1.09968	15	0.90936	12	25	
36	.41628	27	.40222	152	.45784	36	.18419	168	.09982	14	.90924	12	24	
37	.41655	27	.40070	152	.45819	35	.18251	168	.09997	15	.90911	13	23	
38	.41681	26	.39918	152	.45854	35	.18084	168	.10012	15	.90899	12	22	
39	.41707	26	.39766	152	.45889	35	.17916	168	.10026	14	.90887	12	21	
40	0.41734	26	2.39614	151	0.45924	35	2.17749	168	1.10041	15	0.90875	12	20	
41	.41760	27	.39462	151	.45960	36	.17582	167	.10056	15	.90863	12	19	
42	.41787	27	.39311	151	.45995	35	.17416	167	.10071	15	.90851	12	18	
43	.41813	26	.39159	151	.46030	35	.17249	167	.10085	14	.90839	12	17	
44	.41840	27	.39008	151	.46065	35	.17083	167	.10100	15	.90826	13	16	
45	0.41866	26	2.38857	150	0.46101	36	2.16917	167	1.10115	15	0.90814	12	15	
46	.41892	26	.38707	150	.46136	35	.16751	166	.10130	15	.90802	12	14	
47	.41919	26	.38556	150	.46171	35	.16585	166	.10144	14	.90790	12	13	
48	.41945	26	.38406	150	.46206	35	.16420	166	.10159	15	.90778	12	12	
49	.41972	27	.38256	150	.46242	36	.16255	166	.10174	15	.90766	12	11	
50	0.41998	26	2.38107	150	0.46277	35	2.16090	166	1.10189	15	0.90753	13	10	
51	.42024	26	.37957	150	.46312	35	.15925	164	.10204	15	.90741	12	9	
52	.42051	26	.37808	150	.46348	36	.15760	164	.10218	14	.90729	12	8	
53	.42077	26	.37658	150	.46383	35	.15596	164	.10233	15	.90717	12	7	
54	.42104	27	.37509	149	.46418	35	.15432	164	.10248	15	.90704	13	6	
55	0.42130	26	2.37361	149	0.46454	36	2.15268	163	1.10263	15	0.90692	12	5	
56	.42156	26	.37212	149	.46489	35	.15104	163	.10278	15	.90680	12	4	
57	.42183	27	.37064	149	.46525	36	.14940	163	.10293	15	.90668	12	3	
58	.42209	26	.36916	149	.46560	35	.14777	163	.10308	15	.90655	13	2	
59	.42235	26	.36768	148	.46595	35	.14614	163	.10323	15	.90643	12	1	
60	0.42262	26	2.36620	148	0.46631	36	2.14451	162	1.10338	15	0.90631	12	0	
↑ 114° →	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'	← 65°	↑

TABLE 2
Natural Trigonometric Functions

25° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 154°	
↓	sin												↑	↓
0	0.42262		2.36620	148	0.46631		2.14451		1.10338		0.90631		60	
1	.42288	26	.36473	148	.46666	35	.14288	162	.10353	15	.90618	13	59	
2	.42315	27	.36325	148	.46702	36	.14125	162	.10368	15	.90606	12	58	
3	.42341	26	.36178	148	.46737	35	.13963	162	.10383	15	.90594	12	57	
4	.42367	26	.36031	147	.46772	35	.13801	162	.10398	15	.90582	12	56	
5	0.42394	27	2.35885	147	0.46808	36	2.13639	161	1.10413	15	0.90569	13	55	
6	.42420	26	.35738	147	.46843	35	.13477	161	.10428	15	.90557	12	54	
7	.42446	26	.35592	147	.46879	36	.13316	161	.10443	15	.90545	12	53	
8	.42473	27	.35446	147	.46914	35	.13154	161	.10458	15	.90532	13	52	
9	.42499	26	.35300	146	.46950	36	.12993	161	.10473	15	.90520	12	51	
10	0.42525	26	2.35154	146	0.46985	35	2.12832	160	1.10488	15	0.90507	13	50	
11	.42552	27	.35009	146	.47021	36	.12671	160	.10503	15	.90495	12	49	
12	.42578	26	.34863	146	.47056	35	.12511	160	.10518	15	.90483	12	48	
13	.42604	26	.34718	146	.47092	36	.12350	160	.10533	15	.90470	13	47	
14	.42631	27	.34573	144	.47128	36	.12190	160	.10549	16	.90458	12	46	
15	0.42657	26	2.34429	144	0.47163	35	2.12030	160	1.10564	15	0.90446	12	45	
16	.42683	26	.34284	144	.47199	36	.11871	160	.10579	15	.90433	13	44	
17	.42709	26	.34140	144	.47234	35	.11711	160	.10594	15	.90421	12	43	
18	.42736	27	.33996	144	.47270	36	.11552	160	.10609	15	.90408	13	42	
19	.42762	26	.33852	143	.47305	35	.11392	160	.10625	16	.90396	12	41	
20	0.42788	26	2.33708	143	0.47341	36	2.11233	159	1.10640	15	0.90383	13	40	
21	.42815	27	.33565	143	.47377	36	.11075	159	.10655	15	.90371	12	39	
22	.42841	26	.33422	143	.47412	35	.10916	159	.10670	15	.90358	13	38	
23	.42867	26	.33278	143	.47448	36	.10758	159	.10686	16	.90346	12	37	
24	.42894	27	.33135	142	.47483	35	.10600	159	.10701	15	.90334	12	36	
25	0.42920	26	2.32993	142	0.47519	36	2.10442	159	1.10716	15	0.90321	13	35	
26	.42946	26	.32850	142	.47555	36	.10284	158	.10731	15	.90309	12	34	
27	.42972	26	.32708	142	.47590	35	.10126	158	.10747	16	.90296	13	33	
28	.42999	27	.32566	142	.47626	36	.09969	158	.10762	15	.90284	12	32	
29	.43025	26	.32424											

TABLE 2
Natural Trigonometric Functions

$26^\circ \rightarrow$		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	$\leftarrow 153^\circ$	
'	sin											Diff. 1'	'
0	0.43837		2.28117		0.48773		2.05030		1.11260		0.89879	12	60
1	.43863	26	.27981	136	.48809	36	.04879	151	.11276	16	.89867	13	59
2	.43889	26	.27845	136	.48845	36	.04728	151	.11292	16	.89854	13	58
3	.43916	26	.27710	136	.48881	36	.04577	150	.11308	16	.89841	13	57
4	.43942	26	.27574	136	.48917	36	.04426	150	.11323	15	.89828	13	56
5	.43968	26	.27439	136	.48953	36	.04276	150	.11339	16	.89816	12	55
6	.43994	26	.27304	136	.48989	36	.04125	150	.11355	16	.89803	13	54
7	.44020	26	.27169	134	.49026	37	.03975	150	.11371	16	.89790	13	53
8	.44046	26	.27035	134	.49062	36	.03825	150	.11387	16	.89777	13	52
9	.44072	26	.26900	134	.49098	36	.03675	150	.11403	16	.89764	13	51
10	.44098	26	.26766	134	.49134	36	.03526	150	.11419	16	.89752	12	50
11	.44124	26	.26632	133	.49170	36	.03376	150	.11435	16	.89739	13	49
12	.44151	27	.26498	133	.49206	36	.03227	150	.11451	16	.89726	13	48
13	.44177	26	.26364	133	.49242	36	.03078	150	.11467	16	.89713	13	47
14	.44203	26	.26230	133	.49278	36	.02929	149	.11483	16	.89700	13	46
15	.44229	26	.26097	133	.49315	37	.02780	149	.11499	16	.89687	13	45
16	.44255	26	.25963	133	.49351	36	.02631	149	.11515	16	.89674	13	44
17	.44281	26	.25830	132	.49387	36	.02483	149	.11531	16	.89662	12	43
18	.44307	26	.25697	132	.49423	36	.02335	149	.11547	16	.89649	13	42
19	.44333	26	.25565	132	.49459	36	.02187	149	.11563	16	.89636	13	41
20	.44359	26	.25432	132	.49495	36	.02039	148	.11579	16	.89623	13	40
21	.44385	26	.25300	132	.49532	37	.01891	148	.11595	16	.89610	13	39
22	.44411	26	.25167	132	.49568	36	.01743	148	.11611	16	.89597	13	38
23	.44437	26	.25035	132	.49604	36	.01596	148	.11627	16	.89584	13	37
24	.44464	27	.24903	131	.49640	36	.01449	148	.11643	16	.89571	13	36
25	.44490	26	.24772	131	.49677	37	.01302	148	.11659	16	.89558	13	35
26	.44516	26	.24640	131	.49713	36	.01155	147	.11675	16	.89545	13	34
27	.44542	26	.24509	131	.49749	36	.01008	147	.11691	16	.89532	13	33
28	.44568	26	.24378	131	.49786	37	.00862	147	.11708	17	.89519	13	32
29	.44594	26	.24247	131	.49822	36	.00715	147	.11724	16	.89506	13	31
30	.44620	26	.24116	130	.49858	36	.00569	147	.11740	16	.89493	13	30
31	.44646	26	.23985	130	.49894	36	.00423	147	.11756	16	.89480	13	29
32	.44672	26	.23855	130	.49931	37	.00277	146	.11772	16	.89467	13	28
33	.44698	26	.23724	130	.49967	36	.00131	146	.11789	17	.89454	13	27
34	.44724	26	.23594	130	.50004	37	.00000	146	.11805	16	.89441	13	26
35	.44750	26	.23464	130	.50040	36	.19984	146	.11821	16	.89428	13	25
36	.44776	26	.23334	130	.50076	36	.19969	146	.11838	17	.89415	13	24
37	.44802	26	.23205	130	.50113	37	.19955	146	.11854	16	.89402	13	23
38	.44828	26	.23075	130	.50149	36	.19940	144	.11870	16	.89389	13	22
39	.44854	26	.22946	130	.50185	36	.19926	144	.11886	16	.89376	13	21
40	.44880	26	.22817	130	.50222	37	.19911	144	.11903	17	.89363	13	20
41	.44906	26	.22688	129	.50258	36	.19897	144	.11919	16	.89350	13	19
42	.44932	26	.22559	129	.50295	37	.19882	144	.11936	17	.89337	13	18
43	.44958	26	.22430	129	.50331	36	.19868	144	.11952	16	.89324	13	17
44	.44984	26	.22302	129	.50368	37	.19854	143	.11968	16	.89311	13	16
45	.45010	26	.22174	129	.50404	36	.19839	143	.11985	17	.89298	13	15
46	.45036	26	.22045	129	.50441	37	.19825	143	.12001	16	.89285	13	14
47	.45062	26	.21918	128	.50477	36	.19810	143	.12018	17	.89272	13	13
48	.45088	26	.21790	128	.50514	37	.19796	143	.12034	16	.89259	13	12
49	.45114	26	.21662	128	.50550	36	.19782	143	.12051	17	.89245	14	11
50	.45140	26	.21535	128	.50587	37	.19768	142	.12067	16	.89232	13	10
51	.45166	26	.21407	128	.50623	36	.19753	142	.12083	16	.89219	13	9
52	.45192	26	.21280	128	.50660	37	.19739	142	.12100	17	.89206	13	8
53	.45218	25	.21153	127	.50696	36	.19725	142	.12117	16	.89193	13	7
54	.45243	25	.21026	127	.50733	37	.19711	142	.12133	16	.89180	13	6
55	.45269	26	.20900	127	.50769	36	.19696	142	.12150	17	.89167	13	5
56	.45295	26	.20773	127	.50806	37	.19682	141	.12166	16	.89153	14	4
57	.45321	26	.20647	127	.50843	37	.19668	141	.12183	17	.89140	13	3
58	.45347	26	.20521	127	.50879	36	.19654	141	.12199	16	.89127	13	2
59	.45373	26	.20395	126	.50916	37	.19640	141	.12216	17	.89114	13	1
60	.45399	26	.20269	126	.50953	37	.19626	141	.12233	17	.89101	13	0

TABLE 2
Natural Trigonometric Functions

$27^\circ \rightarrow$		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	$\leftarrow 152^\circ$	
'	sin											Diff. 1'	'
0	0.45399		2.20269		0.50953		1.96261		1.12233		0.89101	14	60
1	.45425	26	.20143	126	.50989	36	.96120	141	.12249	16	.89087	14	59
2	.45451	26	.20018	126	.51026	37	.95979	140	.12266	17	.89074	13	58
3	.45477	26	.19892	126	.51063	37	.95838	140	.12283	17	.89061	13	57
4	.45503	26	.19767	126	.51099	36	.95698	140	.12299	16	.89048	13	56
5	.45529	26	.19642	126	.51136	37	.95557	140	.12316	17	.89035	13	55
6	.45554	25	.19517	124	.51173	37	.95417	140	.12333	17	.89021	14	54
7	.45580	26	.19393	124	.51209	36	.95277	140	.12350	16	.89008	13	53
8	.45606	26	.19268	124	.51246	37	.95137	140	.12366	17	.88995	13	52
9	.45632	26	.19144	124	.51283	37	.94997	140	.12383	17	.88981	14	51
10	.45658	26	.19019	124	.51319	36	.94858	140	.12400	17	.88968	13	50
11	.45684	26	.18895	124	.51356	37	.94718	140	.12416	16	.88955	13	49
12	.45710	26	.18772	123	.51393	37	.94579	140	.12433	17	.88942	13	48
13	.45736	26	.18648	123	.51430	37	.94440	140	.12450	17	.88929	14	47
14	.45762	26	.18524	123	.51467	37	.94301	139	.12467	17	.88915	13	46
15	.45787	25	.18401	123	.51503	36	.94162	139	.12484	17	.88902	13	45
16	.45813	26	.18277	123	.51540	37	.94023	139	.12501	17	.88888	14	44
17	.45839	26	.18154	123	.51577	37	.93885	139	.12518	17	.88875	13	43
18	.45865	26	.18031	122	.51614	37	.93746	139	.12535	17	.88862	13	42
19	.45891	26	.17909	122	.51651	37	.93608	139	.12551	17	.88848	14	41
20	.45917	26	.17786	122	.51688	37	.93470	139	.12568	17	.88835	13	40
21	.45942	25	.17663	122	.51724	36	.93332	138	.12585	17	.88822	13	39
22	.45968	26	.17541	122	.51761	37	.93195	138	.12602	17	.88808	14	38
23	.45994	26	.17419	122	.51798	37	.93057	138	.12619	17	.88795	13	37
24	.46020	26	.17297	122	.51835	37	.92920	138	.12636	17	.88782	13	36
25	.46046	26	.17175	121	.51872	37	.92782	138	.12653	17	.88768	14	35
26	.46072	26	.17053	121	.51909	37	.92645	138	.12670	17	.88755	13	34
27	.46097	25	.16932	121	.51946	37	.92508	137	.12687	17	.88741	14	33
28	.46123	26	.16810	121	.51983	37	.92371	137	.12704	17	.88728	13	32
29	.46149	26	.16689	121	.52020	37	.92235	137	.12721	17	.88715	13	31
30	.46175	26	.16568	121	.52057	37	.92098	137	.12738	17	.88701	14	30
31	.46201	26	.16447	120	.52094	37	.91962	137	.12755	17	.88688	13	29
32	.46226	25	.16326	120	.52131	37	.91826	137	.12772	17	.88674	14	28
33	.46252	26	.16206	120	.52168	37	.91690	137	.12789	17	.88661	13	27
34	.46278	26	.16085	120	.52205	37	.91554	136	.12807	18			

TABLE 2 Natural Trigonometric Functions												
28°↘												← 151°
↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1' ↓
0	0.46947		2.13005		0.53171		1.88073		1.13257		0.88295	60
1	.46973	26	.12889	117	.53208	37	.87941	131	.13275	18	.88281	14 59
2	.46999	26	.12773	117	.53246	38	.87809	131	.13292	17	.88267	14 58
3	.47024	25	.12657	117	.53283	37	.87677	131	.13310	18	.88254	13 57
4	.47050	26	.12540	117	.53320	37	.87546	131	.13327	17	.88240	14 56
5		26	.116	116		38		131		18		14 55
6	0.47076	25	2.12425	116	0.53358	37	1.87415	131	1.13345	17	0.88226	13 54
7	.47101	26	.12309	116	.53395	37	.87283	131	.13362	17	.88213	14 53
8	.47127	26	.12193	116	.53432	37	.87152	131	.13380	18	.88199	14 52
9	.47153	26	.12078	116	.53470	38	.87021	130	.13398	18	.88185	14 51
10	.47178	25	.11963	116	.53507	37	.86891	130	.13415	17	.88172	13 50
11	0.47204	26	2.11847	116	0.53545	38	1.86760	130	1.13433	18	0.88158	14 50
12	.47229	25	.11732	116	.53582	37	.86630	130	.13451	18	.88144	14 49
13	.47255	26	.11617	114	.53620	38	.86499	130	.13468	17	.88130	14 48
14	.47281	26	.11503	114	.53657	37	.86369	130	.13486	18	.88117	13 47
15	.47306	25	.11388	114	.53694	37	.86239	130	.13504	18	.88103	14 46
16	0.47332	26	2.11274	114	0.53732	38	1.86109	130	1.13521	17	0.88089	14 45
17	.47358	26	.11159	114	.53769	37	.85979	130	.13539	18	.88075	14 44
18	.47383	25	.11045	114	.53807	38	.85850	130	.13557	18	.88062	13 43
19	.47409	26	.10931	114	.53844	37	.85720	130	.13575	18	.88048	14 42
20	.47434	25	.10817	113	.53882	38	.85591	130	.13593	18	.88034	14 41
21	0.47460	26	2.10704	113	0.53920	38	1.85462	130	1.13610	17	0.88020	14 40
22	.47486	26	.10590	113	.53957	37	.85333	130	.13628	18	.88006	14 39
23	.47511	25	.10477	113	.53995	38	.85204	129	.13646	18	.87993	13 38
24	.47537	26	.10363	113	.54032	37	.85075	129	.13664	18	.87979	14 37
25	.47562	25	.10250	113	.54070	38	.84946	129	.13682	18	.87965	14 36
26	0.47588	26	2.10137	113	0.54107	37	1.84818	129	1.13700	18	0.87951	14 35
27	.47614	26	.10024	112	.54145	38	.84689	129	.13718	18	.87937	14 34
28	.47639	25	.09911	112	.54183	38	.84561	129	.13735	17	.87923	14 33
29	.47665	26	.09799	112	.54220	37	.84433	129	.13753	18	.87909	14 32
30	.47690	25	.09686	112	.54258	38	.84305	128	.13771	18	.87896	13 31
31	0.47716	26	2.09574	112	0.54296	38	1.84177	128	1.13789	18	0.87882	14 30
32	.47741	25	.09462	112	.54333	37	.84049	128	.13807	18	.87868	14 29
33	.47767	26	.09350	112	.54371	38	.83922	128	.13825	18	.87854	14 28
34	.47793	26	.09238	111	.54409	38	.83794	128	.13843	18	.87840	14 27
35	.47818	25	.09126	111	.54446	37	.83667	128	.13861	18	.87826	14 26
36	0.47844	26	2.09014	111	0.54484	38	1.83540	128	1.13879	18	0.87812	14 25
37	.47869	25	.08903	111	.54522	38	.83413	128	.13897	18	.87798	14 24
38	.47895	26	.08791	111	.54560	38	.83286	127	.13915	18	.87784	14 23
39	.47920	25	.08680	111	.54597	37	.83159	127	.13934	19	.87770	14 22
40	.47946	26	.08569	111	.54635	38	.83033	127	.13952	18	.87756	14 21
41	0.47971	25	2.08458	110	0.54673	38	1.82906	127	1.13970	18	0.87743	13 20
42	.47997	26	.08347	110	.54711	38	.82780	127	.13988	18	.87729	14 19
43	.48022	26	.08236	110	.54748	37	.82654	127	.14006	18	.87715	14 18
44	.48048	25	.08126	110	.54786	38	.82528	127	.14024	18	.87701	14 17
45	.48073	26	.08015	110	.54824	38	.82402	126	.14042	18	.87687	14 16
46	0.48099	26	2.07905	110	0.54862	38	1.82276	126	1.14061	19	0.87673	14 15
47	.48124	25	.07795	110	.54900	38	.82150	126	.14079	19	.87659	14 14
48	.48150	26	.07685	110	.54938	38	.82025	126	.14097	18	.87645	14 13
49	.48175	25	.07575	110	.54975	37	.81899	126	.14115	18	.87631	14 12
50	.48201	26	.07465	110	.55013	38	.81774	126	.14134	19	.87617	14 11
51	0.48226	25	2.07356	110	0.55051	38	1.81649	126	1.14152	18	0.87603	14 10
52	.48252	26	.07246	110	.55089	38	.81524	126	.14170	18	.87589	14 9
53	.48277	25	.07137	110	.55127	38	.81399	124	.14188	18	.87575	14 8
54	.48303	26	.07027	110	.55165	38	.81274	124	.14207	19	.87561	14 7
55	.48328	25	.06918	110	.55203	38	.81150	124	.14225	18	.87546	15 6
56	0.48354	26	2.06809	109	0.55241	38	1.81025	124	1.14243	18	0.87532	14 5
57	.48379	25	.06701	109	.55279	38	.80901	124	.14262	19	.87518	14 4
58	.48405	26	.06592	109	.55317	38	.80777	124	.14280	18	.87504	14 3
59	.48430	25	.06483	109	.55355	38	.80653	124	.14299	19	.87490	14 2
60	.48456	26	.06375	109	.55393	38	.80529	123	.14317	19	.87476	14 1
60	0.48481	25	2.06267	109	0.55431	38	1.80405	123	1.14335	18	0.87462	14 0
↑		Diff. 1'		Diff. 1'		Diff. 1'		Diff. 1'		Diff. 1'		↑
118°↘	cos		sec		cot		tan		csc		sin	Diff. 1' ← 61°

TABLE 2 Natural Trigonometric Functions												
29°↘												← 150°
↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1' ↓
0	0.48481		2.06267		0.55431		1.80405		1.14335		0.87462	60
1	.48506	25	.06158	109	.55469	38	.80281	123	.14354	19	.87448	14 59
2	.48532	26	.06050	109	.55507	38	.80158	123	.14372	18	.87434	14 58
3	.48557	25	.05942	108	.55545	38	.80034	123	.14391	19	.87420	14 57
4	.48583	26	.05835	108	.55583	38	.79911	123	.14409	18	.87406	14 56
5		25		108		38		123		19		15 55
6	0.48608	26	2.05727	108	0.55621	38	1.79788	123	1.14428	19	0.87391	14 54
7	.48634	26	.05619	108	.55659	38	.79665	123	.14446	18	.87377	14 53
8	.48659	25	.05512	108	.55697	38	.79542	122	.14465	19	.87363	14 52
9	.48684	25	.05405	108	.55736	39	.79419	122	.14483	18	.87349	14 51
10	.48710	26	.05298	108	.55774	38	.79296	122	.14502	19	.87335	14 50
11	0.48735	25	2.05191	108	0.55812	38	1.79174	122	1.14521	19	0.87321	14 50
12	.48761	26	.05084	107	.55850	38	.79051	122	.14539	18	.87306	15 49
13	.48786	26	.04977	107	.55888	38	.78929	122	.14558	19	.87292	14 48
14	.48811	25	.04870	107	.55926	38	.78807	122	.14576	18	.87278	14 47
15	.48837	26	.04764	107	.55964	38	.78685	122	.14595	19	.87264	14 46
16	0.48862	25	2.04657	107	0.56003	39	1.78563	121	1.14614	19	0.87250	14 45
17	.48888	26	.04551	107	.56041	38	.78441	121	.14632	18	.87235	15 44
18	.48913	25	.04445	107	.56079	38	.78319	121	.14651	19	.87221	14 43
19	.48938	25	.04339	106	.56117	38	.78198	121	.14670	19	.87207	14 42
20	.48964	26	.04233	106	.56156	39	.78077	121	.14689	19	.87193	14 41
21	0.48989	25	2.04128	106	0.56194	38	1.77955	121	1.14707	18	0.87178	15 40
22	.49014	26	.04022	106	.56232	38	.77834	121	.14726	19	.87164	14 39
23	.49039	26	.03916	106	.56270	38	.77713	121	.14745	19	.87150	14 38
24	.49065	25	.03811	106	.56309	39	.77592	120	.14764	19	.87136	14 37
25	.49090	25	.03706	106	.56347	38	.77471	120	.14782	18	.87121	15 36
26	0.49116	26	2.03601	106	0.56385	38	1.77351	120	1.14801	19	0.87107	14 35
27	.49141	25	.03496	104	.56424	39	.77230	120	.14820	19	.87093	14 34
28	.49166	25	.03391	104	.56462	38	.77110	120	.14839	19	.87079	14 33
29	.49192	26	.03286	104	.56501	39	.76990	120	.14858	19	.87064	15 32
30	.49217	25	.03182	104	.56539	38	.76869	120	.14877	19	.87050	14 31
31	0.49242	25	2.03077	104	0.56577	38	1.76749	120	1.14896	19	0.87036	14 30
32	.49268	26	.02973	104	.56616	39	.76629	120	.14914	18	.87021	15 29
33	.49293	25	.02869	104	.56654	38	.76510	120	.14933	19	.87007	14 28
34	.49318	26	.02765	104	.56693	39	.76390	120	.14952	19	.86993	14 27
35	.49344	25	.026									

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 30° to 149° and trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes a 120° cos column on the left and a 59° sin column on the right.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 31° to 148° and trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes a 121° cos column on the left and a 58° sin column on the right.

TABLE 2
Natural Trigonometric Functions

32° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 147°	
↓	sin												↑	↓
0	0.52992		1.88708		0.62487		1.60033		1.17918		0.84805		16	60
1	.53017	25	.88620	88	.62527	40	.59930	103	.17939	21	.84789	16	59	59
2	.53041	24	.88532	88	.62568	41	.59826	103	.17961	22	.84774	15	58	58
3	.53066	25	.88445	88	.62608	40	.59723	103	.17982	21	.84759	15	57	57
4	.53091	24	.88357	88	.62649	41	.59620	103	.18004	22	.84743	16	56	56
5		40		88		103				21		15	55	
6	0.53115	25	1.88270	88	0.62689	41	1.59517	103	1.18025	22	0.84728	16	54	54
7	.53140	24	.88183	88	.62730	41	.59414	103	.18047	22	.84712	15	53	53
8	.53164	25	.88095	88	.62770	40	.59311	102	.18068	21	.84697	15	52	52
9	.53189	24	.88008	88	.62811	41	.59208	102	.18090	22	.84681	16	51	51
10	.53214	25	.87921	88	.62852	41	.59105	102	.18111	21	.84666	15	50	50
11		40		87		102				22		16	50	
12	0.53238	24	1.87834	87	0.62892	40	1.59002	102	1.18133	22	0.84650	15	49	49
13	.53263	25	.87748	87	.62933	41	.58900	102	.18155	21	.84635	15	48	48
14	.53288	24	.87661	87	.62973	40	.58797	102	.18176	22	.84619	15	47	47
15	.53312	25	.87574	87	.63014	41	.58695	102	.18198	22	.84604	15	46	46
16	.53337	24	.87488	87	.63055	41	.58593	102	.18220	21	.84588	16	45	45
17		40		87		102				22		15	45	
18	0.53361	24	1.87401	87	0.63095	40	1.58490	102	1.18241	21	0.84573	15	44	44
19	.53386	25	.87315	87	.63136	41	.58388	102	.18263	22	.84557	16	43	43
20	.53411	24	.87229	87	.63177	40	.58286	102	.18285	22	.84542	15	42	42
21	.53435	25	.87142	87	.63217	40	.58184	101	.18307	22	.84526	16	41	41
22	.53460	24	.87056	87	.63258	41	.58083	101	.18328	21	.84511	15	40	40
23		40		86		101				22		16	40	
24	0.53484	24	1.86970	86	0.63299	41	1.57981	101	1.18350	22	0.84495	15	39	39
25	.53509	25	.86885	86	.63340	41	.57879	101	.18372	22	.84480	15	38	38
26	.53534	24	.86799	86	.63380	40	.57778	101	.18394	22	.84464	16	37	37
27	.53558	25	.86713	86	.63421	41	.57676	101	.18416	22	.84448	15	36	36
28	.53583	24	.86627	86	.63462	41	.57575	101	.18437	21	.84433	16	35	35
29		40		86		101				22		15	35	
30	0.53607	24	1.86542	86	0.63503	41	1.57474	101	1.18459	22	0.84417	15	34	34
31	.53632	25	.86457	86	.63544	41	.57372	101	.18481	22	.84402	15	33	33
32	.53656	24	.86371	86	.63584	40	.57271	101	.18503	22	.84386	16	32	32
33	.53681	25	.86286	86	.63625	41	.57170	100	.18525	22	.84370	16	31	31
34	.53705	24	.86201	86	.63666	41	.57069	100	.18547	22	.84355	15	30	30
35		40		86		100				22		16	30	
36	0.53730	24	1.86116	86	0.63707	41	1.56969	100	1.18569	22	0.84339	15	29	29
37	.53754	25	.86031	84	.63748	41	.56868	100	.18591	22	.84324	15	28	28
38	.53779	24	.85946	84	.63789	41	.56767	100	.18613	22	.84308	16	27	27
39	.53804	25	.85861	84	.63830	41	.56667	100	.18635	22	.84292	15	26	26
40	.53828	24	.85777	84	.63871	41	.56566	100	.18657	22	.84277	15	25	25
41		40		84		100				22		16	25	
42	0.53853	24	1.85692	84	0.63912	41	1.56466	100	1.18679	22	0.84261	15	24	24
43	.53877	25	.85608	84	.63953	41	.56366	100	.18701	22	.84245	15	23	23
44	.53902	24	.85523	84	.63994	41	.56265	100	.18723	22	.84230	15	22	22
45	.53926	25	.85439	84	.64035	41	.56165	100	.18745	22	.84214	16	21	21
46	.53951	24	.85355	84	.64076	41	.56065	100	.18767	22	.84198	16	20	20
47		40		84		100				22		15	20	
48	0.53975	24	1.85271	84	0.64117	41	1.55966	100	1.18790	23	0.84182	15	19	19
49	.54000	25	.85187	84	.64158	41	.55866	100	.18812	22	.84167	15	18	18
50	.54024	24	.85103	83	.64199	41	.55766	100	.18834	22	.84151	16	17	17
51	.54049	25	.85019	83	.64240	41	.55666	100	.18856	22	.84135	16	16	16
52	.54073	24	.84935	83	.64281	41	.55567	100	.18878	22	.84120	15	15	15
53		40		83		100				22		16	15	
54	0.54097	24	1.84852	83	0.64322	41	1.55467	100	1.18901	23	0.84104	15	14	14
55	.54122	25	.84768	83	.64363	41	.55368	100	.18923	22	.84088	16	13	13
56	.54146	24	.84685	83	.64404	42	.55269	100	.18945	22	.84072	15	12	12
57	.54171	25	.84601	83	.64446	42	.55170	100	.18967	22	.84057	15	11	11
58	.54195	24	.84518	83	.64487	41	.55071	100	.18990	23	.84041	16	10	10
59		40		83		100				22		16	10	
60	0.54220	24	1.84435	83	0.64528	41	1.54972	99	1.19012	22	0.84025	15	9	9
1	.54244	25	.84352	83	.64569	41	.54873	99	.19034	22	.84009	16	8	8
2	.54269	24	.84269	82	.64610	42	.54774	99	.19057	23	.83994	15	7	7
3	.54293	25	.84186	82	.64652	42	.54675	99	.19079	22	.83978	16	6	6
4	.54317	24	.84103	82	.64693	41	.54576	99	.19102	23	.83962	16	5	5
5		40		82		100				22		16	5	
6	0.54342	24	1.84020	82	0.64734	41	1.54478	99	1.19124	22	0.83946	15	4	4
7	.54366	25	.83938	82	.64775	41	.54379	99	.19146	22	.83930	16	3	3
8	.54391	24	.83855	82	.64817	42	.54281	99	.19169	23	.83915	15	2	2
9	.54415	25	.83773	82	.64858	41	.54183	99	.19191	22	.83899	16	1	1
10	.54440	24	.83690	82	.64899	41	.54085	99	.19214	23	.83883	16	0	0
11	0.54464	24	1.83608	82	0.64941	42	1.53986	99	1.19236	22	0.83867	16	0	0

TABLE 2
Natural Trigonometric Functions

33° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 146°	
↓	sin												↑	↓
0	0.54464		1.83608		0.64941		1.53986		1.19236		0.83867		16	60
1	.54489	24	.83526	82	.64982	41	.53888	99	.19259	23	.83851	16	59	59
2	.54513	25	.83444	82	.65024	42	.53791	98	.19281	22	.83835	16	58	58
3	.54537	24	.83362	82	.65065	41	.53693	98	.19304	23	.83819	16	57	57
4	.54561	24	.83280	81	.65106	41	.53595	98	.19327	23	.83804	15	56	56
5		40		81		42		98		22		16	55	
6	0.54586	25	1.83198	81	0.65148	41	1.53497	98	1.19349	23	0.83788	16	54	54
7	.54610	24	.83116	81	.65189	41	.53400	98	.19372	23	.83772	16	53	53
8	.54635	25	.83034	81	.65231	42	.53302	98	.19394	22	.83756	16	52	52
9	.54659	24	.82953	81	.65272	41	.53205	98	.19417	23	.83740	16	51	51
10	.54683	24	.82871	81	.65314	42	.53107	98	.19440	23	.83724	16	50	50
11		40		81		42		98		22		16	50	
12	0.54708	25	1.82790	81	0.65355	42	1.53010	98	1.19463	23	0.83708	16	49	49
13	.54732	24	.82709	81	.65397	42	.52913	98	.19485	22	.83692	16	48	48
14	.54756	24	.82627	81	.65438	41	.52816	98	.19508	23	.83676	16	47	47
15	.54781	25	.82546	81	.65480	42	.52719	97	.19531	23	.83660	16	46	46
16	.54805	24	.82465	81	.65521	41	.52622	97	.19553	22	.83645	16	45	45
17		40		80		42		97		23		16	45	
18	0.54829	24	1.82384	80	0.65563	42	1.52525	97	1.19576	22	0.83629	16	44	44
19	.54854	25	.82303	80	.65604	41	.52429	97	.19599	23	.83613	16	43	43
20	.54878	24	.82222	80	.65646	42	.52332	97	.19622	23	.83597	16	42	42
21	.54902	25	.82142	80	.65688	42	.52235	97	.19645	23	.83581	16	41	41
22	.54927	24	.82061	80	.65729	41	.52139	97	.19668	23	.83565	16	40	40
23														

TABLE 2
Natural Trigonometric Functions

34° ↘		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 145°	
'	sin												'	'
0	0.55919	24	1.78829	78	0.67451	42	1.48256	92	1.20622	23	0.82904	17	60	
1	.55943	25	.78752	77	.67493	43	.48163	92	.20645	23	.82887	17	59	
2	.55968	24	.78675	77	.67536	43	.48070	92	.20669	24	.82871	16	58	
3	.55992	24	.78598	77	.67578	42	.47977	92	.20693	24	.82855	16	57	
4	.56016	24	.78521	77	.67620	42	.47885	92	.20717	24	.82839	16	56	
5	0.56040	24	1.78445	77	0.67663	43	1.47792	92	1.20740	23	0.82822	17	55	
6	.56064	24	.78368	77	.67705	42	.47699	92	.20764	24	.82806	16	54	
7	.56088	24	.78291	77	.67748	43	.47607	92	.20788	24	.82790	16	53	
8	.56112	24	.78215	77	.67790	42	.47514	92	.20812	24	.82773	17	52	
9	.56136	24	.78138	77	.67832	42	.47422	92	.20836	24	.82757	16	51	
10	0.56160	24	1.78062	77	0.67875	43	1.47330	92	1.20859	23	0.82741	16	50	
11	.56184	24	.77986	77	.67917	42	.47238	92	.20883	24	.82724	17	49	
12	.56208	24	.77910	77	.67960	43	.47146	92	.20907	24	.82708	16	48	
13	.56232	24	.77833	77	.68002	42	.47053	92	.20931	24	.82692	16	47	
14	.56256	24	.77757	77	.68045	43	.46962	91	.20955	24	.82675	17	46	
15	0.56280	24	1.77681	76	0.68088	43	1.46870	91	1.20979	24	0.82659	16	45	
16	.56305	25	.77606	76	.68130	42	.46778	91	.21003	24	.82643	16	44	
17	.56329	24	.77530	76	.68173	43	.46686	91	.21027	24	.82626	17	43	
18	.56353	24	.77454	76	.68215	42	.46595	91	.21051	24	.82610	16	42	
19	.56377	24	.77378	76	.68258	43	.46503	91	.21075	24	.82593	17	41	
20	0.56401	24	1.77303	76	0.68301	43	1.46411	91	1.21099	24	0.82577	16	40	
21	.56425	24	.77227	76	.68343	42	.46320	91	.21123	24	.82561	16	39	
22	.56449	24	.77152	76	.68386	43	.46229	91	.21147	24	.82544	17	38	
23	.56473	24	.77077	76	.68429	43	.46137	91	.21171	24	.82528	16	37	
24	.56497	24	.77001	76	.68471	42	.46046	91	.21195	24	.82511	17	36	
25	0.56521	24	1.76926	76	0.68514	43	1.45955	91	1.21220	25	0.82495	16	35	
26	.56545	24	.76851	76	.68557	43	.45864	91	.21244	24	.82478	17	34	
27	.56569	24	.76776	74	.68600	43	.45773	90	.21268	24	.82462	16	33	
28	.56593	24	.76701	74	.68642	42	.45682	90	.21292	24	.82446	16	32	
29	.56617	24	.76626	74	.68685	43	.45592	90	.21316	24	.82429	17	31	
30	0.56641	24	1.76552	74	0.68728	43	1.45501	90	1.21341	25	0.82413	16	30	
31	.56665	24	.76477	74	.68771	43	.45410	90	.21365	24	.82396	17	29	
32	.56689	24	.76402	74	.68814	43	.45320	90	.21389	24	.82380	16	28	
33	.56713	24	.76328	74	.68857	43	.45229	90	.21413	24	.82363	17	27	
34	.56736	23	.76253	74	.68900	43	.45139	90	.21438	24	.82347	16	26	
35	0.56760	24	1.76179	74	0.68942	42	1.45049	90	1.21462	24	0.82330	17	25	
36	.56784	24	.76105	74	.68985	43	.44958	90	.21487	25	.82314	16	24	
37	.56808	24	.76031	74	.69028	43	.44868	90	.21511	24	.82297	17	23	
38	.56832	24	.75956	74	.69071	43	.44778	90	.21535	24	.82281	16	22	
39	.56856	24	.75882	74	.69114	43	.44688	90	.21560	25	.82264	17	21	
40	0.56880	24	1.75808	73	0.69157	43	1.44598	90	1.21584	24	0.82248	16	20	
41	.56904	24	.75734	73	.69200	43	.44508	90	.21609	25	.82231	17	19	
42	.56928	24	.75661	73	.69243	43	.44418	90	.21633	24	.82214	17	18	
43	.56952	24	.75587	73	.69286	43	.44329	90	.21658	25	.82198	16	17	
44	.56976	24	.75513	73	.69329	43	.44239	90	.21682	24	.82181	17	16	
45	0.57000	24	1.75440	73	0.69372	43	1.44149	90	1.21707	25	0.82165	16	15	
46	.57024	23	.75366	73	.69416	44	.44060	90	.21731	24	.82148	17	14	
47	.57047	24	.75293	73	.69459	43	.43970	90	.21756	25	.82132	16	13	
48	.57071	24	.75219	73	.69502	43	.43881	90	.21781	25	.82115	17	12	
49	.57095	24	.75146	73	.69545	43	.43792	90	.21805	24	.82098	17	11	
50	0.57119	24	1.75073	73	0.69588	43	1.43703	90	1.21830	25	0.82082	16	10	
51	.57143	24	.75000	73	.69631	43	.43614	90	.21855	25	.82065	17	9	
52	.57167	24	.74927	73	.69675	44	.43525	90	.21879	24	.82048	17	8	
53	.57191	24	.74854	72	.69718	43	.43436	89	.21904	25	.82032	16	7	
54	.57215	24	.74781	72	.69761	43	.43347	89	.21929	25	.82015	17	6	
55	0.57238	23	1.74708	72	0.69804	43	1.43258	89	1.21953	24	0.81999	16	5	
56	.57262	24	.74635	72	.69847	43	.43169	89	.21978	25	.81982	17	4	
57	.57286	24	.74562	72	.69891	44	.43080	89	.22003	25	.81965	17	3	
58	.57310	24	.74490	72	.69934	43	.42992	89	.22028	25	.81949	16	2	
59	.57334	24	.74417	72	.69977	43	.42903	89	.22053	25	.81932	17	1	
60	0.57358	24	1.74345	72	0.70021	44	1.42815	89	1.22077	24	0.81915	17	0	
↑ 124° ↘	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'↘	↑ 55°	

TABLE 2
Natural Trigonometric Functions

35° ↘		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 144°	
'	sin												'	'
0	0.57358	23	1.74345	72	0.70021	43	1.42815	89	1.22077	25	0.81915	16	60	
1	.57381	24	.74272	72	.70064	43	.42726	89	.22102	25	.81899	17	59	
2	.57405	24	.74200	72	.70107	43	.42638	89	.22127	25	.81882	17	58	
3	.57429	24	.74128	72	.70151	44	.42550	89	.22152	25	.81865	17	57	
4	.57453	24	.74056	72	.70194	43	.42462	89	.22177	25	.81848	17	56	
5	0.57477	24	1.73983	72	0.70238	44	1.42374	89	1.22202	25	0.81832	16	55	
6	.57501	23	.73911	72	.70281	43	.42286	89	.22227	25	.81815	17	54	
7	.57524	24	.73840	71	.70325	44	.42198	88	.22252	25	.81798	17	53	
8	.57548	24	.73768	71	.70368	43	.42110	88	.22277	25	.81782	16	52	
9	.57572	24	.73696	71	.70412	44	.42022	88	.22302	25	.81765	17	51	
10	0.57596	24	1.73624	71	0.70455	43	1.41934	88	1.22327	25	0.81748	17	50	
11	.57619	23	.73552	71	.70499	44	.41847	88	.22352	25	.81731	17	49	
12	.57643	24	.73481	71	.70543	43	.41759	88	.22377	25	.81714	17	48	
13	.57667	24	.73409	71	.70586	44	.41672	88	.22402	25	.81698	16	47	
14	.57691	24	.73338	71	.70629	43	.41584	88	.22428	26	.81681	17	46	
15	0.57715	24	1.73267	71	0.70673	44	1.41497	88	1.22453	25	0.81664	17	45	
16	.57738	23	.73195	71	.70717	44	.41409	88	.22478	25	.81647	17	44	
17	.57762	24	.73124	71	.70760	43	.41322	88	.22503	25	.81631	16	43	
18	.57786	24	.73053	71	.70804	44	.41235	88	.22528	25	.81614	17	42	
19	.57810	24	.72982	71	.70848	44	.41148	88	.22554	26	.81597	17	41	
20	0.57833	23	1.72911	70	0.70891	43	1.41061	88	1.22579	25	0.81580	17	40	
21	.57857	24	.72840	70	.70935	44	.40974	88	.22604	25	.81563	17	39	
22	.57881	24	.72769	70	.70979	44	.40887	87	.22629	25	.81546	17	38	
23	.57904	23	.72698	70	.71023	44	.40800	87	.22655	26	.81530	16	37	
24	.57928	24	.72628	70	.71066	43	.40714	87	.22680	25	.81513	17	36	
25	0.57952	24	1.72557	70	0.71110	44	1.40627	87	1.22706	26	0.81496	17	35	
26	.57976	24	.72487	70	.71154	44	.40540	87	.22731	25	.81479	17	34	
27	.57999	23	.72416	70	.71198	44	.40454	87	.22756	25	.81462	17	33	
28	.58023	24	.72346	70	.71242	44	.40367	87	.22782	26	.81445	17	32	
29	.58047	24	.72275	70	.71285	43	.40281	87	.22807	25	.81428	17	31	
30	0.58070	24	1.72205	70	0.71329	44	1.40195	87	1.22833	26	0.81412	16	30	
31	.58094	23	.72135	70	.71373	44	.40109	87	.22858	25	.81395	17	29	
32	.58118	24	.72065	70	.71417	44	.40022	87	.22884	26	.81378	17	28	
33	.58141</													

TABLE 2 Natural Trigonometric Functions													
36° →										← 143°			
°	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	'
0	0.58779		1.70130		0.72654		1.37638		1.23607		0.80902		60
1	.58802	23	.70062	69	.72699	45	.37554	84	.23633	26	.80885	17	59
2	.58826	24	.69994	69	.72743	44	.37470	84	.23659	26	.80867	18	58
3	.58849	23	.69926	68	.72788	45	.37386	84	.23685	26	.80850	17	57
4	.58873	24	.69858	68	.72832	44	.37302	83	.23711	26	.80833	17	56
5	.58896	23	.69790	68	.72877	45	.37218	83	.23738	27	.80816	17	55
6	.58920	24	.69723	68	.72921	44	.37134	83	.23764	26	.80799	17	54
7	.58943	23	.69655	68	.72966	45	.37050	83	.23790	26	.80782	17	53
8	.58967	24	.69587	68	.73010	44	.36967	83	.23816	26	.80765	17	52
9	.58990	23	.69520	68	.73055	45	.36883	83	.23843	27	.80748	17	51
10	.59014	24	.69452	68	.73100	45	.36800	83	.23869	26	.80730	18	50
11	.59037	23	.69385	68	.73144	44	.36716	83	.23895	26	.80713	17	49
12	.59061	24	.69318	68	.73189	45	.36633	83	.23922	27	.80696	17	48
13	.59084	23	.69250	68	.73234	45	.36549	83	.23948	26	.80679	17	47
14	.59108	24	.69183	68	.73278	44	.36466	83	.23975	27	.80662	17	46
15	.59131	23	.69116	68	.73323	45	.36383	83	.24001	26	.80644	18	45
16	.59154	24	.69049	68	.73368	45	.36300	83	.24028	27	.80627	17	44
17	.59178	23	.68982	67	.73413	45	.36217	83	.24054	26	.80610	17	43
18	.59201	24	.68915	67	.73457	44	.36134	83	.24081	27	.80593	17	42
19	.59225	23	.68848	67	.73502	45	.36051	82	.24107	26	.80576	17	41
20	.59248	24	.68782	67	.73547	45	.35968	82	.24134	27	.80558	18	40
21	.59272	23	.68715	67	.73592	45	.35885	82	.24160	26	.80541	17	39
22	.59295	24	.68648	67	.73637	45	.35802	82	.24187	27	.80524	17	38
23	.59318	23	.68582	67	.73681	44	.35719	82	.24213	26	.80507	17	37
24	.59342	24	.68515	67	.73726	45	.35637	82	.24240	27	.80489	18	36
25	.59365	23	.68449	67	.73771	45	.35554	82	.24267	27	.80472	17	35
26	.59389	24	.68382	67	.73816	45	.35472	82	.24293	26	.80455	17	34
27	.59412	23	.68316	67	.73861	45	.35389	82	.24320	27	.80438	17	33
28	.59436	24	.68250	67	.73906	45	.35307	82	.24347	27	.80420	18	32
29	.59459	23	.68183	67	.73951	45	.35224	82	.24373	26	.80403	17	31
30	.59482	24	.68117	67	.73996	45	.35142	82	.24400	27	.80386	17	30
31	.59506	23	.68051	67	.74041	45	.35060	82	.24427	27	.80368	18	29
32	.59529	24	.67985	66	.74086	45	.34978	82	.24454	27	.80351	17	28
33	.59552	23	.67919	66	.74131	45	.34896	82	.24481	27	.80334	17	27
34	.59576	24	.67853	66	.74176	45	.34814	81	.24508	27	.80316	18	26
35	.59599	23	.67788	66	.74221	45	.34732	81	.24534	26	.80299	17	25
36	.59622	24	.67722	66	.74267	46	.34650	81	.24561	27	.80282	17	24
37	.59646	23	.67656	66	.74312	45	.34568	81	.24588	27	.80264	18	23
38	.59669	24	.67591	66	.74357	45	.34487	81	.24615	27	.80247	17	22
39	.59693	23	.67525	66	.74402	45	.34405	81	.24642	27	.80230	17	21
40	.59716	24	.67460	66	.74447	45	.34323	81	.24669	27	.80212	18	20
41	.59739	23	.67394	66	.74492	45	.34242	81	.24696	27	.80195	17	19
42	.59763	24	.67329	66	.74538	46	.34160	81	.24723	27	.80178	17	18
43	.59786	23	.67264	66	.74583	45	.34079	81	.24750	27	.80160	18	17
44	.59809	24	.67198	66	.74628	45	.33998	81	.24777	27	.80143	17	16
45	.59832	23	.67133	66	.74674	46	.33916	81	.24804	27	.80125	18	15
46	.59856	24	.67068	66	.74719	45	.33835	81	.24832	28	.80108	17	14
47	.59879	23	.67003	66	.74764	45	.33754	81	.24859	27	.80091	17	13
48	.59902	24	.66938	64	.74810	45	.33673	81	.24886	27	.80073	18	12
49	.59926	23	.66873	64	.74855	45	.33592	81	.24913	27	.80056	17	11
50	.59949	24	.66809	64	.74900	45	.33511	80	.24940	27	.80038	18	10
51	.59972	23	.66744	64	.74946	46	.33430	80	.24967	27	.80021	17	9
52	.59995	24	.66679	64	.74991	45	.33349	80	.24995	28	.80003	18	8
53	.60019	23	.66615	64	.75037	46	.33268	80	.25022	27	.79986	17	7
54	.60042	24	.66550	64	.75082	45	.33187	80	.25049	27	.79968	18	6
55	.60065	23	.66486	64	.75128	46	.33107	80	.25077	28	.79951	17	5
56	.60089	24	.66421	64	.75173	45	.33026	80	.25104	27	.79934	17	4
57	.60112	23	.66357	64	.75219	46	.32946	80	.25131	27	.79916	18	3
58	.60135	24	.66292	64	.75264	45	.32865	80	.25159	28	.79899	17	2
59	.60158	23	.66228	64	.75310	46	.32785	80	.25186	27	.79881	18	1
60	.60182	24	.66164	64	.75355	45	.32704	80	.25214	28	.79864	17	0

TABLE 2 Natural Trigonometric Functions													
37° →										← 142°			
°	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	'
0	0.60182		1.66164		0.75355		1.32704		1.25214		0.79864		60
1	.60205	23	.66100	64	.75401	46	.32624	80	.25241	27	.79846	18	59
2	.60228	23	.66036	64	.75447	46	.32544	80	.25269	28	.79829	17	58
3	.60251	23	.65972	63	.75492	45	.32464	80	.25296	27	.79811	18	57
4	.60274	24	.65908	63	.75538	46	.32384	80	.25324	28	.79793	18	56
5	.60298	23	.65844	63	.75584	46	.32304	80	.25351	27	.79776	17	55
6	.60321	23	.65780	63	.75629	45	.32224	80	.25379	28	.79758	18	54
7	.60344	23	.65717	63	.75675	46	.32144	80	.25406	27	.79741	17	53
8	.60367	23	.65653	63	.75721	46	.32064	80	.25434	28	.79723	18	52
9	.60390	23	.65589	63	.75767	46	.31984	80	.25462	28	.79706	17	51
10	.60414	24	.65526	63	.75812	45	.31904	80	.25490	27	.79688	18	50
11	.60437	23	.65462	63	.75858	46	.31825	80	.25517	28	.79671	17	49
12	.60460	23	.65399	63	.75904	46	.31745	80	.25545	28	.79653	18	48
13	.60483	23	.65335	63	.75950	46	.31666	80	.25572	27	.79635	18	47
14	.60506	23	.65272	63	.75996	46	.31586	80	.25600	28	.79618	17	46
15	.60529	23	.65209	63	.76042	46	.31507	80	.25628	28	.79600	18	45
16	.60553	24	.65146	63	.76088	46	.31427	80	.25656	28	.79583	17	44
17	.60576	23	.65083	63	.76134	46	.31348	80	.25683	27	.79565	18	43
18	.60599	23	.65020	63	.76180	46	.31269	80	.25711	28	.79547	18	42
19	.60622	23	.64957	62	.76226	46	.31190	80	.25739	28	.79530	17	41
20	.60645	23	.64894	62	.76272	46	.31110	80	.25767	28	.79512	18	40
21	.60668	23	.64831	62	.76318	46	.31031	80	.25795	28	.79494	17	39
22	.60691	23	.64768	62	.76364	46	.30952	80	.25823	28	.79477	18	38
23	.60714	24	.64705	62	.76410	46	.30873	79	.25851	28	.79459	18	37
24	.60738	24	.64643	62	.76456	46	.30795	79	.25879	28	.79441	18	36
25	.60761	23	.64580	62	.76502	46	.30716	79	.25907	28	.79424	17	35
26	.60784	23	.64518	62	.76548	46	.30637	79	.25935	28	.79406	18	34
27	.60807	23	.64455	62	.76594	46	.30558	79	.25963	28	.79388	18	33
28	.60830	23	.64393	62	.76640	46	.30480	79	.25991	28	.79371	17	32
29	.60853	23	.64330	62	.76686	46	.30401	79	.26019	28	.79353	18	31
30	.60876	23	.64268	62	.76733	47	.30323	79	.26047	28	.79335	18	30
31	.60899	23	.64206	62	.76779	46	.30244	79	.26075	28	.79318	17	29
32	.60922	23	.64144	62	.76825	46	.30166	79	.26104	29	.79300	18	28
33	.60945	23	.64082	62	.76871	46	.30087	79	.26132	28	.79282	18	27
34	.60968	23	.64020	62	.76918	47	.30009	79	.26160	28	.79264	18	26
35	.60991	23	.63957	61	.76964	46	.29931	79	.26188	28	.79247	17	25
36	.61015	24	.63895	61	.77010	46	.29853	79	.26216	28	.79229	18	24
37	.61038	23	.63834	61	.77057	47	.29775	7					

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 38° to 141° and trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles 0 to 60 and 128° to 51°.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 39° to 140° and trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles 0 to 60 and 129° to 50°.

TABLE 2 Natural Trigonometric Functions												
40° ↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	↑ 139°
	0	0.64279	22	1.55572	53	0.83910	50	1.19175	70	1.30541	32	
1	.64301	22	.55518	53	.83960	50	.19105	70	.30573	32	.76586	59
2	.64323	23	.55465	53	.84009	49	.19035	70	.30605	32	.76567	58
3	.64346	22	.55411	53	.84059	50	.18964	70	.30636	31	.76548	57
4	.64368	22	.55357	53	.84108	49	.18894	70	.30668	32	.76530	56
5	0.64390	22	1.55303	53	0.84158	50	1.18824	70	1.30700	32	0.76511	55
6	.64412	22	.55250	53	.84208	50	.18754	70	.30732	32	.76492	54
7	.64435	23	.55196	53	.84258	50	.18684	70	.30764	32	.76473	53
8	.64457	22	.55143	53	.84307	49	.18614	70	.30796	32	.76455	52
9	.64479	22	.55089	53	.84357	50	.18544	70	.30829	33	.76436	51
10	0.64501	22	1.55036	53	0.84407	50	1.18474	70	1.30861	32	0.76417	50
11	.64524	23	.54982	53	.84457	50	.18404	70	.30893	32	.76398	49
12	.64546	22	.54929	53	.84507	50	.18334	70	.30925	32	.76380	48
13	.64568	22	.54876	53	.84556	49	.18264	70	.30957	32	.76361	47
14	.64590	22	.54822	53	.84606	50	.18194	70	.30989	32	.76342	46
15	0.64612	22	1.54769	53	0.84656	50	1.18125	70	1.31022	33	0.76323	45
16	.64635	23	.54716	53	.84706	50	.18055	70	.31054	32	.76304	44
17	.64657	22	.54663	53	.84756	50	.17986	70	.31086	32	.76286	43
18	.64679	22	.54610	53	.84806	50	.17916	70	.31119	33	.76267	42
19	.64701	22	.54557	53	.84856	50	.17846	70	.31151	32	.76248	41
20	0.64723	22	1.54504	52	0.84906	50	1.17777	70	1.31183	32	0.76229	40
21	.64746	23	.54451	52	.84956	50	.17708	70	.31216	33	.76210	39
22	.64768	22	.54398	52	.85006	50	.17638	70	.31248	33	.76192	38
23	.64790	22	.54345	52	.85057	51	.17569	70	.31281	33	.76173	37
24	.64812	22	.54292	52	.85107	50	.17500	70	.31313	32	.76154	36
25	0.64834	22	1.54240	52	0.85157	50	1.17430	70	1.31346	33	0.76135	35
26	.64856	22	.54187	52	.85207	50	.17361	70	.31378	32	.76116	34
27	.64878	22	.54134	52	.85257	50	.17292	70	.31411	33	.76097	33
28	.64901	23	.54082	52	.85308	51	.17223	70	.31443	32	.76078	32
29	.64923	22	.54029	52	.85358	50	.17154	70	.31476	33	.76059	31
30	0.64945	22	1.53977	52	0.85408	50	1.17085	69	1.31509	33	0.76041	30
31	.64967	22	.53924	52	.85458	50	.17016	69	.31541	32	.76022	29
32	.64989	22	.53872	52	.85509	51	.16947	69	.31574	33	.76003	28
33	.65011	22	.53820	52	.85559	50	.16878	69	.31607	33	.75984	27
34	.65033	22	.53768	52	.85609	50	.16809	69	.31640	33	.75965	26
35	0.65055	22	1.53715	52	0.85660	51	1.16741	69	1.31672	32	0.75946	25
36	.65077	22	.53663	52	.85710	50	.16672	69	.31705	33	.75927	24
37	.65100	23	.53611	52	.85761	51	.16603	69	.31738	33	.75908	23
38	.65122	22	.53559	52	.85811	50	.16535	69	.31771	33	.75889	22
39	.65144	22	.53507	52	.85862	51	.16466	69	.31804	33	.75870	21
40	0.65166	22	1.53455	51	0.85912	50	1.16398	69	1.31837	33	0.75851	20
41	.65188	22	.53403	51	.85963	51	.16329	69	.31870	33	.75832	19
42	.65210	22	.53351	51	.86014	51	.16261	69	.31903	33	.75813	18
43	.65232	22	.53299	51	.86064	50	.16192	69	.31936	33	.75794	17
44	.65254	22	.53247	51	.86115	51	.16124	69	.31969	33	.75775	16
45	0.65276	22	1.53196	51	0.86166	51	1.16056	69	1.32002	33	0.75756	15
46	.65298	22	.53144	51	.86216	50	.15987	69	.32035	33	.75738	14
47	.65320	22	.53092	51	.86267	51	.15919	69	.32068	33	.75719	13
48	.65342	22	.53041	51	.86318	51	.15851	69	.32101	33	.75700	12
49	.65364	22	.52989	51	.86368	50	.15783	69	.32134	33	.75680	20
50	0.65386	22	1.52938	51	0.86419	51	1.15715	69	1.32168	34	0.75661	19
51	.65408	22	.52886	51	.86470	51	.15647	69	.32201	33	.75642	18
52	.65430	22	.52835	51	.86521	51	.15579	68	.32234	33	.75623	17
53	.65452	22	.52784	51	.86572	51	.15511	68	.32267	33	.75604	16
54	.65474	22	.52732	51	.86623	51	.15443	68	.32301	34	.75585	15
55	0.65496	22	1.52681	51	0.86674	51	1.15375	68	1.32334	33	0.75566	14
56	.65518	22	.52630	51	.86725	51	.15308	68	.32368	34	.75547	13
57	.65540	22	.52579	51	.86776	51	.15240	68	.32401	33	.75528	12
58	.65562	22	.52527	51	.86827	51	.15172	68	.32434	33	.75509	11
59	.65584	22	.52476	51	.86878	51	.15104	68	.32468	34	.75490	10
60	0.65606	22	1.52425	51	0.86929	51	1.15037	68	1.32501	33	0.75471	9

TABLE 2 Natural Trigonometric Functions												
41° ↓	sin	Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	↑ 138°
	0	0.65606	22	1.52425	50	0.86929	51	1.15037	68	1.32501	34	
1	.65628	22	.52374	50	.86980	51	.14969	68	.32535	34	.75452	59
2	.65650	22	.52323	50	.87031	51	.14902	68	.32568	33	.75433	58
3	.65672	22	.52273	50	.87082	51	.14834	68	.32602	34	.75414	57
4	.65694	22	.52222	50	.87133	51	.14767	68	.32636	34	.75395	56
5	0.65716	22	1.52171	50	0.87184	52	1.14699	68	1.32669	33	0.75375	55
6	.65738	22	.52120	50	.87236	52	.14632	68	.32703	34	.75356	54
7	.65759	21	.52069	50	.87287	51	.14565	68	.32737	34	.75337	53
8	.65781	22	.52019	50	.87338	51	.14498	68	.32770	33	.75318	52
9	.65803	22	.51968	50	.87389	51	.14430	68	.32804	34	.75299	51
10	0.65825	22	1.51918	50	0.87441	52	1.14363	68	1.32838	34	0.75280	50
11	.65847	22	.51867	50	.87492	51	.14296	68	.32872	33	.75261	49
12	.65869	22	.51817	50	.87543	51	.14229	68	.32905	33	.75242	48
13	.65891	22	.51766	50	.87595	52	.14162	68	.32939	34	.75222	47
14	.65913	22	.51716	50	.87646	52	.14095	67	.32973	34	.75203	46
15	0.65935	22	1.51665	50	0.87698	52	1.14028	67	1.33007	34	0.75184	45
16	.65956	21	.51615	50	.87749	51	.13961	67	.33041	34	.75165	44
17	.65978	22	.51565	50	.87801	52	.13894	67	.33075	34	.75146	43
18	.66000	22	.51515	50	.87852	51	.13828	67	.33109	34	.75126	42
19	.66022	22	.51465	50	.87904	52	.13761	67	.33143	34	.75107	41
20	0.66044	22	1.51415	50	0.87955	52	1.13694	67	1.33177	34	0.75088	40
21	.66066	22	.51364	50	.88007	52	.13627	67	.33211	34	.75069	39
22	.66088	22	.51314	50	.88059	52	.13561	67	.33245	34	.75050	38
23	.66109	21	.51265	50	.88110	51	.13494	67	.33279	34	.75030	37
24	.66131	22	.51215	50	.88162	52	.13428	67	.33314	35	.75011	36
25	0.66153	22	1.51165	50	0.88214	52	1.13361	67	1.33348	34	0.74992	35
26	.66175	22	.51115	50	.88265	51	.13295	67	.33382	34	.74973	34
27	.66197	22	.51065	50	.88317	52	.13228	67	.33416	34	.74953	33
28	.66218	21	.51015	50	.88369	52	.13162	67	.33451	35	.74934	32
29	.66240	22	.50966	50	.88421	52	.13096	67	.33485	34	.74915	31
30	0.66262	22	1.50916	50	0.88473	52	1.13029	67	1.33519	34	0.74896	30
31	.66284	22	.50866	50	.88524	51	.12963	67	.33554	35	.74877	29
32	.66306	22	.50817	50	.88576	52	.12897	67	.33588	34	.74857	28
33	.66327	21	.50767	50	.88628	52	.12831	67	.33622	34	.74838	27
34	.66349	22	.50718	50	.88680	52	.12765	67	.33657	35	.74818	26
35	0.66371	22	1.50669	50	0.88732	52	1.12699	67	1.33691	34	0.74799	25
36	.66393	22	.50619	50	.88784	52	.12633	67	.33726	35	.74780	24
37	.66414	21	.50570	50	.88836	52	.12567	66	.33760	34	.74760	23
38	.66436	22	.50521	50	.88888	52	.12501	66	.33795	35	.74741	22
39	.66458	22	.50471	50	.88940	52	.12435	66	.33830	35	.74722	21
40	0.66480	22	1.50422	50	0.88992	52	1.12369	66	1.33864	34	0.74	

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 42° and 137°, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles from 0 to 60 degrees.

TABLE 2
Natural Trigonometric Functions

Table with columns for angles 43° and 136°, and rows for trigonometric functions: sin, Diff. 1', csc, Diff. 1', tan, Diff. 1', cot, Diff. 1', sec, Diff. 1', cos, Diff. 1'. Includes values for angles from 0 to 60 degrees.

TABLE 2
Natural Trigonometric Functions

44° →		Diff. 1'	csc	Diff. 1'	tan	Diff. 1'	cot	Diff. 1'	sec	Diff. 1'	cos	Diff. 1'	← 135°		
↓	sin												↑	cos	
0	0.69466	21	1.43956	43	0.96569	56	1.03553	60	1.39016	39	0.71934	20	60		
1	.69487	21	.43912	43	.96625	56	.03493	60	.39055	39	.71914	20	59		
2	.69508	21	.43869	43	.96681	56	.03433	60	.39095	40	.71894	20	58		
3	.69529	21	.43826	43	.96738	57	.03372	60	.39134	39	.71873	21	57		
4	.69549	20	.43783	43	.96794	56	.03312	60	.39173	39	.71853	20	56		
5	0.69570	21	1.43739	43	0.96850	56	1.03252	60	1.39212	39	0.71833	20	55		
6	.69591	21	.43696	43	.96907	57	.03192	60	.39251	39	.71813	20	54		
7	.69612	21	.43653	43	.96963	56	.03132	60	.39291	40	.71792	21	53		
8	.69633	21	.43610	43	.97020	57	.03072	60	.39330	39	.71772	20	52		
9	.69654	21	.43567	43	.97076	56	.03012	60	.39369	39	.71752	20	51		
10	0.69675	21	1.43524	43	0.97133	57	1.02952	60	1.39409	40	0.71732	20	50		
11	.69696	21	.43481	42	.97189	56	.02892	60	.39448	39	.71711	21	49		
12	.69717	21	.43438	42	.97246	57	.02832	60	.39487	39	.71691	20	48		
13	.69737	20	.43395	42	.97302	56	.02772	60	.39527	40	.71671	20	47		
14	.69758	21	.43352	42	.97359	57	.02713	60	.39566	39	.71650	21	46		
15	0.69779	21	1.43309	42	0.97416	57	1.02653	60	1.39606	40	0.71630	20	45		
16	.69800	21	.43267	42	.97472	56	.02593	60	.39646	40	.71610	20	44		
17	.69821	21	.43224	42	.97529	57	.02533	60	.39685	39	.71590	20	43		
18	.69842	21	.43181	42	.97586	57	.02474	60	.39725	40	.71569	21	42		
19	.69862	20	.43139	42	.97643	57	.02414	60	.39764	39	.71549	20	41		
20	0.69883	21	1.43096	42	0.97700	57	1.02355	60	1.39804	40	0.71529	20	40		
21	.69904	21	.43053	42	.97756	56	.02295	60	.39844	40	.71508	21	39		
22	.69925	21	.43011	42	.97813	57	.02236	60	.39884	40	.71488	20	38		
23	.69946	21	.42968	42	.97870	57	.02176	60	.39924	40	.71468	20	37		
24	.69966	20	.42926	42	.97927	57	.02117	60	.39963	39	.71447	21	36		
25	0.69987	21	1.42883	42	0.97984	57	1.02057	60	1.40003	40	0.71427	20	35		
26	.70008	21	.42841	42	.98041	57	.01998	60	.40043	40	.71407	20	34		
27	.70029	21	.42799	42	.98098	57	.01939	60	.40083	40	.71386	21	33		
28	.70049	20	.42756	42	.98155	57	.01879	60	.40123	40	.71366	20	32		
29	.70070	21	.42714	42	.98213	58	.01820	60	.40163	40	.71345	21	31		
30	0.70091	21	1.42672	42	0.98270	57	1.01761	60	1.40203	40	0.71325	20	30		
31	.70112	20	.42630	42	.98327	57	.01702	60	.40243	40	.71305	20	29		
32	.70132	21	.42587	42	.98384	57	.01642	60	.40283	40	.71284	21	28		
33	.70153	21	.42545	42	.98441	57	.01583	60	.40324	41	.71264	20	27		
34	.70174	21	.42503	42	.98499	58	.01524	60	.40364	40	.71243	21	26		
35	0.70195	21	1.42461	42	0.98556	57	1.01465	60	1.40404	40	0.71223	20	25		
36	.70215	20	.42419	42	.98613	57	.01406	60	.40444	40	.71203	20	24		
37	.70236	21	.42377	41	.98671	58	.01347	59	.40485	41	.71182	21	23		
38	.70257	21	.42335	41	.98728	57	.01288	59	.40525	40	.71162	20	22		
39	.70277	20	.42293	41	.98786	58	.01229	59	.40565	40	.71141	21	21		
40	0.70298	21	1.42251	41	0.98843	57	1.01170	59	1.40606	41	0.71121	20	20		
41	.70319	21	.42209	41	.98901	58	.01112	59	.40646	40	.71100	21	19		
42	.70339	20	.42168	41	.98958	57	.01053	59	.40687	41	.71080	20	18		
43	.70360	21	.42126	41	.99016	58	.00994	59	.40727	40	.71059	21	17		
44	.70381	21	.42084	41	.99073	57	.00935	59	.40768	41	.71039	20	16		
45	0.70401	20	1.42042	41	0.99131	58	1.00876	59	1.40808	40	0.71019	20	15		
46	.70422	21	.42001	41	.99189	58	.00818	59	.40849	41	.70998	21	14		
47	.70443	20	.41959	41	.99247	58	.00759	59	.40890	41	.70978	20	13		
48	.70463	21	.41918	41	.99304	57	.00701	59	.40930	40	.70957	21	12		
49	.70484	21	.41876	41	.99362	58	.00642	59	.40971	41	.70937	20	11		
50	0.70505	21	1.41835	41	0.99420	58	1.00583	59	1.41012	41	0.70916	21	10		
51	.70525	20	.41793	41	.99478	58	.00525	59	.41053	41	.70896	20	9		
52	.70546	21	.41752	41	.99536	58	.00467	59	.41093	40	.70875	21	8		
53	.70567	21	.41710	41	.99594	58	.00408	59	.41134	41	.70855	20	7		
54	.70587	20	.41669	41	.99652	58	.00350	59	.41175	41	.70834	21	6		
55	0.70608	21	1.41627	41	0.99710	58	1.00291	59	1.41216	41	0.70813	21	5		
56	.70628	20	.41586	41	.99768	58	.00233	59	.41257	41	.70793	20	4		
57	.70649	21	.41545	41	.99826	58	.00175	59	.41298	41	.70772	21	3		
58	.70670	21	.41504	41	.99884	58	.00116	59	.41339	41	.70752	20	2		
59	.70690	20	.41463	41	.99942	58	.00058	59	.41380	41	.70731	21	1		
60	0.70711	21	1.41421	41	1.00000	58	1.00000	59	1.41421	41	0.70711	20	0		
↑	134° →	cos	Diff. 1'	sec	Diff. 1'	cot	Diff. 1'	tan	Diff. 1'	csc	Diff. 1'	sin	Diff. 1'	↑	45°