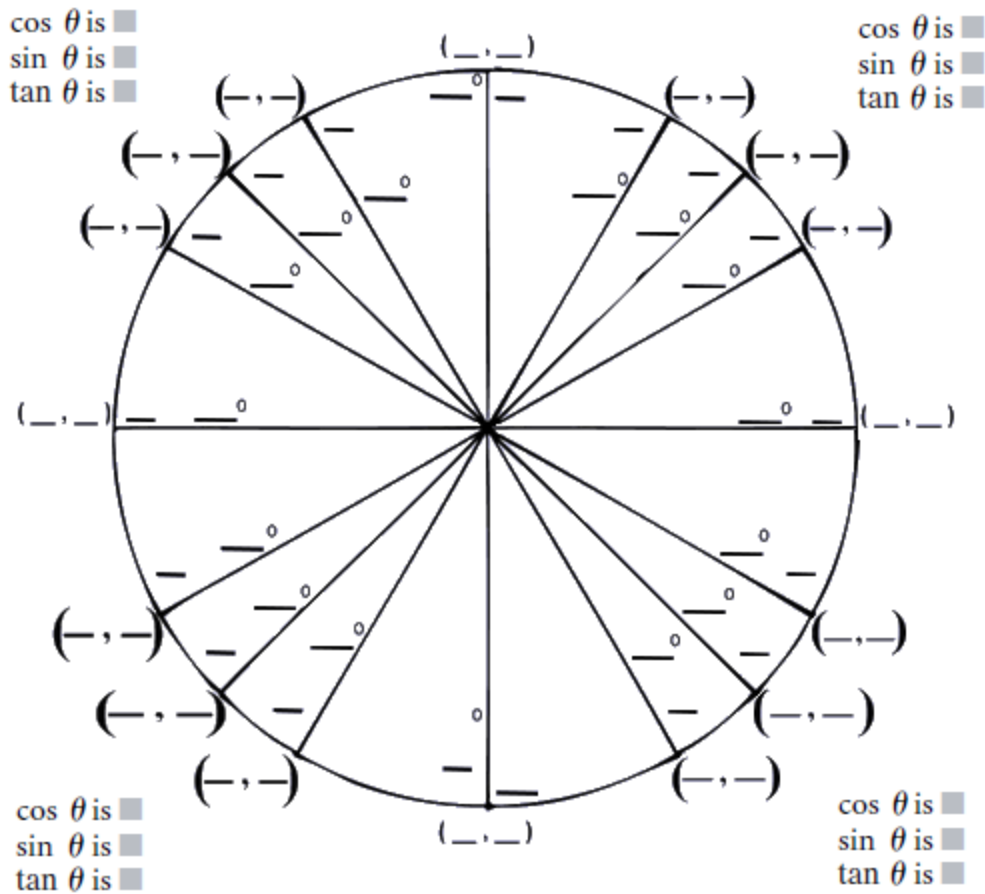


Second Year Algebra 2: Trigonometry Summary of Formulas

Sum and Difference Identities:	
	$\cos (A - B) = \cos A \cos B + \sin A \sin B$ $\cos (A + B) = \cos A \cos B - \sin A \sin B$ $\sin (A + B) = \sin A \cos B + \cos A \sin B$ $\sin (A - B) = \sin A \cos B - \cos A \sin B$ $\tan (A + B) = \frac{\tan A + \tan B}{1 - \tan A \tan B}$ $\tan (A - B) = \frac{\tan A - \tan B}{1 + \tan A \tan B}$
Double-Angle Identities:	
	$\cos 2A = \cos^2 A - \sin^2 A$ $\cos 2A = 1 - 2 \sin^2 A$ $\cos 2A = 2 \cos^2 A - 1$ $\sin 2A = 2 \sin A \cos A$ $\tan 2A = \frac{2 \tan A}{1 - \tan^2 A}$
Half-Angle Identities:	
	$\sin \frac{A}{2} = \pm \sqrt{\frac{1 - \cos A}{2}}$ $\cos \frac{A}{2} = \pm \sqrt{\frac{1 + \cos A}{2}}$ $\tan \frac{A}{2} = \pm \sqrt{\frac{1 - \cos A}{1 + \cos A}}$

Unit Circle, Fill in the blank



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TABLES

Included in this section are two sets of tables. The first is the Table of Trigonometric Functions for angles written in degrees and the second is the Table of Trigonometric Functions for angles written in radians.

Table 1 - Trigonometric Functions

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	Degrees
0° 00'	.0000	1.0000	.0000	————	1.000	————	90° 00'
0 10	.0029	1.0000	.0029	343.8	1.000	343.8	89 50
0 20	.0058	1.0000	.0058	171.9	1.000	171.9	89 40
0 30	.0087	1.0000	.0087	114.6	1.000	114.6	89 30
0 40	.0116	.9999	.0116	85.94	1.000	85.95	89 20
0 50	.0145	.9999	.0145	68.75	1.000	68.76	89 10
1° 00'	.0175	.9998	.0175	57.29	1.000	57.30	89° 00'
1 10	.0204	.9998	.0204	49.10	1.000	49.11	88 50
1 20	.0233	.9997	.0233	42.96	1.000	42.98	88 40
1 30	.0262	.9997	.0262	38.19	1.000	38.20	88 30
1 40	.0291	.9996	.0291	34.37	1.000	34.38	88 20
1 50	.0320	.9995	.0320	31.24	1.001	31.26	88 10
2° 00'	.0349	.9994	.0349	28.64	1.001	28.65	88° 00'
2 10	.0378	.9993	.0378	26.43	1.001	26.45	87 50
2 20	.0407	.9992	.0407	24.54	1.001	24.56	87 40
2 30	.0436	.9990	.0437	22.90	1.001	22.93	87 30
2 40	.0465	.9989	.0466	21.47	1.001	21.49	87 20
2 50	.0494	.9988	.0495	20.21	1.001	20.23	87 10
3° 00'	.0523	.9986	.0524	19.08	1.001	19.11	87° 00'
3 10	.0552	.9985	.0553	18.07	1.002	18.10	86 50
3 20	.0581	.9983	.0582	17.17	1.002	17.20	86 40
3 30	.0610	.9981	.0612	16.35	1.002	16.38	86 30
3 40	.0640	.9980	.0641	15.60	1.002	15.64	86 20
3 50	.0669	.9978	.0670	14.92	1.002	14.96	86 10
4° 00'	.0698	.9976	.0699	14.30	1.002	14.34	86° 00'
4 10	.0727	.9974	.0729	13.73	1.003	13.76	85 50
4 20	.0756	.9971	.0758	13.20	1.003	13.23	85 40
4 30	.0785	.9969	.0787	12.71	1.003	12.75	85 30
4 40	.0814	.9967	.0816	12.25	1.003	12.29	85 20
4 50	.0843	.9964	.0846	11.83	1.004	11.87	85 10
5° 00'	.0872	.9962	.0875	11.43	1.004	11.47	85° 00'
5 10	.0901	.9959	.0904	11.06	1.004	11.10	84 50
5 20	.0929	.9957	.0934	10.71	1.004	10.76	84 40
5 30	.0958	.9954	.0963	10.39	1.005	10.43	84 30
5 40	.0987	.9951	.0992	10.08	1.005	10.13	84 20
5 50	.1016	.9948	.1022	9.788	1.005	9.839	84 10
6° 00'	.1045	.9945	.1051	9.514	1.006	9.567	84° 00'
6 10	.1074	.9942	.1080	9.255	1.006	9.309	83 50
6 20	.1103	.9939	.1110	9.010	1.006	9.065	83 40
6 30	.1132	.9936	.1139	8.777	1.006	8.834	83 30
6 40	.1161	.9932	.1169	8.556	1.007	8.614	83 20
6 50	.1190	.9929	.1198	8.345	1.007	8.405	83 10
7° 00'	.1219	.9925	.1228	8.144	1.008	8.206	83° 00'
7 10	.1248	.9922	.1257	7.953	1.008	8.016	82 50
7 20	.1276	.9918	.1287	7.770	1.008	7.834	82 40
7 30	.1305	.9914	.1317	7.596	1.009	7.661	82 30
7 40	.1334	.9911	.1346	7.429	1.009	7.496	82 20
7 50	.1363	.9907	.1376	7.269	1.009	7.337	82 10
8° 00'	.1392	.9903	.1405	7.115	1.010	7.185	82° 00'
	Cos	Sin	Cot	Tan	Csc	Sec	Degrees

Table 1 - Trigonometric Functions (continued)

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	
8° 00'	.1392	.9903	.1405	7.115	1.010	7.185	82° 00'
8 10	.1421	.9899	.1435	6.968	1.010	7.040	81 50
8 20	.1449	.9894	.1465	6.827	1.011	6.900	81 40
8 30	.1478	.9890	.1495	6.691	1.011	6.765	81 30
8 40	.1507	.9886	.1524	6.561	1.012	6.636	81 20
8 50	.1536	.9881	.1554	6.435	1.012	6.512	81 10
9° 00'	.1564	.9877	.1584	6.314	1.012	6.392	81° 00'
9 10	.1593	.9872	.1614	6.197	1.013	6.277	80 50
9 20	.1622	.9868	.1644	6.084	1.013	6.166	80 40
9 30	.1650	.9863	.1673	5.976	1.014	6.059	80 30
9 40	.1679	.9858	.1703	5.871	1.014	5.955	80 20
9 50	.1708	.9853	.1733	5.769	1.015	5.855	80 10
10° 00'	.1736	.9848	.1763	5.671	1.015	5.759	80° 00'
10 10	.1765	.9843	.1793	5.576	1.016	5.665	79 50
10 20	.1794	.9838	.1823	5.485	1.016	5.575	79 40
10 30	.1822	.9833	.1853	5.396	1.017	5.487	79 30
10 40	.1851	.9827	.1883	5.309	1.018	5.403	79 20
10 50	.1880	.9822	.1914	5.226	1.018	5.320	79 10
11° 00'	.1908	.9816	.1944	5.145	1.019	5.241	79° 00'
11 10	.1937	.9811	.1974	5.066	1.019	5.164	78 50
11 20	.1965	.9805	.2004	4.989	1.020	5.089	78 40
11 30	.1994	.9799	.2035	4.915	1.020	5.016	78 30
11 40	.2022	.9793	.2065	4.843	1.021	4.945	78 20
11 50	.2051	.9787	.2095	4.773	1.022	4.876	78 10
12° 00'	.2079	.9781	.2126	4.705	1.022	4.810	78° 00'
12 10	.2108	.9775	.2156	4.638	1.023	4.745	77 50
12 20	.2136	.9769	.2186	4.574	1.024	4.682	77 40
12 30	.2164	.9763	.2217	4.511	1.024	4.620	77 30
12 40	.2193	.9757	.2247	4.449	1.025	4.560	77 20
12 50	.2221	.9750	.2278	4.390	1.026	4.502	77 10
13° 00'	.2250	.9744	.2309	4.331	1.026	4.445	77° 00'
13 10	.2278	.9737	.2339	4.275	1.027	4.390	76 50
13 20	.2306	.9730	.2370	4.219	1.028	4.336	76 40
13 30	.2334	.9724	.2401	4.165	1.028	4.284	76 30
13 40	.2363	.9717	.2432	4.113	1.029	4.232	76 20
13 50	.2391	.9710	.2462	4.061	1.030	4.182	76 10
14° 00'	.2419	.9703	.2493	4.011	1.031	4.134	76° 00'
14 10	.2447	.9696	.2524	3.962	1.031	4.086	75 50
14 20	.2476	.9689	.2555	3.914	1.032	4.039	75 40
14 30	.2504	.9681	.2586	3.867	1.033	3.994	75 30
14 40	.2532	.9674	.2617	3.821	1.034	3.950	75 20
14 50	.2560	.9667	.2648	3.776	1.034	3.906	75 10
15° 00'	.2588	.9659	.2679	3.732	1.035	3.864	75° 00'
15 10	.2616	.9652	.2711	3.689	1.036	3.822	74 50
15 20	.2644	.9644	.2742	3.647	1.037	3.782	74 40
15 30	.2672	.9636	.2773	3.606	1.038	3.742	74 30
15 40	.2700	.9628	.2805	3.566	1.039	3.703	74 20
15 50	.2728	.9621	.2836	3.526	1.039	3.665	74 10
16° 00'	.2756	.9613	.2867	3.487	1.040	3.628	74° 00'
Cos	Sin	Cot	Tan	Csc	Sec	Degrees	

Table 1 - Trigonometric Functions (continued)

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	Degrees
16° 00'	.2756	.9613	.2867	3.487	1.040	3.628	74° 00'
16 10	.2784	.9605	.2899	3.450	1.041	3.592	73 50
16 20	.2812	.9596	.2931	3.412	1.042	3.556	73 40
16 30	.2840	.9588	.2962	3.376	1.043	3.521	73 30
16 40	.2868	.9580	.2994	3.340	1.044	3.487	73 20
16 50	.2896	.9572	.3026	3.305	1.045	3.453	73 10
17° 00'	.2924	.9563	.3057	3.271	1.046	3.420	73° 00'
17 10	.2952	.9555	.3089	3.237	1.047	3.388	72 50
17 20	.2979	.9546	.3121	3.204	1.048	3.356	72 40
17 30	.3007	.9537	.3153	3.172	1.049	3.326	72 30
17 40	.3035	.9528	.3185	3.140	1.049	3.295	72 20
17 50	.3062	.9520	.3217	3.108	1.050	3.265	72 10
18° 00'	.3090	.9511	.3249	3.078	1.051	3.236	72° 00'
18 10	.3118	.9502	.3281	3.047	1.052	3.207	71 50
18 20	.3145	.9492	.3314	3.018	1.053	3.179	71 40
18 30	.3173	.9483	.3346	2.989	1.054	3.152	71 30
18 40	.3201	.9474	.3378	2.960	1.056	3.124	71 20
18 50	.3228	.9465	.3411	2.932	1.057	3.098	71 10
19° 00'	.3256	.9455	.3443	2.904	1.058	3.072	71° 00'
19 10	.3283	.9446	.3476	2.877	1.059	3.046	70 50
19 20	.3311	.9436	.3508	2.850	1.060	3.021	70 40
19 30	.3338	.9426	.3541	2.824	1.061	2.996	70 30
19 40	.3365	.9417	.3574	2.798	1.062	2.971	70 20
19 50	.3393	.9407	.3607	2.773	1.063	2.947	70 10
20° 00'	.3420	.9397	.3640	2.747	1.064	2.924	70° 00'
20 10	.3448	.9387	.3673	2.723	1.065	2.901	69 50
20 20	.3475	.9377	.3706	2.699	1.066	2.878	69 40
20 30	.3502	.9367	.3739	2.675	1.068	2.855	69 30
20 40	.3529	.9356	.3772	2.651	1.069	2.833	69 20
20 50	.3557	.9346	.3805	2.628	1.070	2.812	69 10
21° 00'	.3584	.9336	.3839	2.605	1.071	2.790	69° 00'
21 10	.3611	.9325	.3872	2.583	1.072	2.769	68 50
21 20	.3638	.9315	.3906	2.560	1.074	2.749	68 40
21 30	.3665	.9304	.3939	2.539	1.075	2.729	68 30
21 40	.3692	.9293	.3973	2.517	1.076	2.709	68 20
21 50	.3719	.9283	.4006	2.496	1.077	2.689	68 10
22° 00'	.3746	.9272	.4040	2.475	1.079	2.669	68° 00'
22 10	.3773	.9261	.4074	2.455	1.080	2.650	67 50
22 20	.3800	.9250	.4108	2.434	1.081	2.632	67 40
22 30	.3827	.9239	.4142	2.414	1.082	2.613	67 30
22 40	.3854	.9228	.4176	2.394	1.084	2.595	67 20
22 50	.3881	.9216	.4210	2.375	1.085	2.577	67 10
23° 00'	.3907	.9205	.4245	2.356	1.086	2.559	67° 00'
23 10	.3934	.9194	.4279	2.337	1.088	2.542	66 50
23 20	.3961	.9182	.4314	2.318	1.089	2.525	66 40
23 30	.3987	.9171	.4348	2.300	1.090	2.508	66 30
23 40	.4014	.9159	.4383	2.282	1.092	2.491	66 20
23 50	.4041	.9147	.4417	2.264	1.093	2.475	66 10
24° 00'	.4067	.9135	.4452	2.246	1.095	2.459	66° 00'
	Cos	Sin	Cot	Tan	Csc	Sec	Degrees

Table 1 - Trigonometric Functions (continued)

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	Degrees
24° 00'	.4067	.9135	.4452	2.246	1.095	2.459	66° 00'
24 10	.4094	.9124	.4487	2.229	1.096	2.443	65 50
24 20	.4120	.9112	.4522	2.211	1.097	2.427	65 40
24 30	.4147	.9100	.4557	2.194	1.099	2.411	65 30
24 40	.4173	.9088	.4592	2.177	1.100	2.396	65 20
24 50	.4200	.9075	.4628	2.161	1.102	2.381	65 10
25° 00'	.4226	.9063	.4663	2.145	1.103	2.366	65° 00'
25 10	.4253	.9051	.4699	2.128	1.105	2.352	64 50
25 20	.4279	.9038	.4734	2.112	1.106	2.337	64 40
25 30	.4305	.9026	.4770	2.097	1.108	2.323	64 30
25 40	.4331	.9013	.4806	2.081	1.109	2.309	64 20
25 50	.4358	.9001	.4841	2.066	1.111	2.295	64 10
26° 00'	.4384	.8988	.4877	2.050	1.113	2.281	64° 00'
26 10	.4410	.8975	.4913	2.035	1.114	2.268	63 50
26 20	.4436	.8962	.4950	2.020	1.116	2.254	63 40
26 30	.4462	.8949	.4986	2.006	1.117	2.241	63 30
26 40	.4488	.8936	.5022	1.991	1.119	2.228	63 20
26 50	.4514	.8923	.5059	1.977	1.121	2.215	63 10
27° 00'	.4540	.8910	.5095	1.963	1.122	2.203	63° 00'
27 10	.4566	.8897	.5132	1.949	1.124	2.190	62 50
27 20	.4592	.8884	.5169	1.935	1.126	2.178	62 40
27 30	.4617	.8870	.5206	1.921	1.127	2.166	62 30
27 40	.4643	.8857	.5243	1.907	1.129	2.154	62 20
27 50	.4669	.8843	.5280	1.894	1.131	2.142	62 10
28° 00'	.4695	.8829	.5317	1.881	1.133	2.130	62° 00'
28 10	.4720	.8816	.5354	1.868	1.134	2.118	61 50
28 20	.4746	.8802	.5392	1.855	1.136	2.107	61 40
28 30	.4772	.8788	.5430	1.842	1.138	2.096	61 30
28 40	.4797	.8774	.5467	1.829	1.140	2.085	61 20
28 50	.4823	.8760	.5505	1.816	1.142	2.074	61 10
29° 00'	.4848	.8746	.5543	1.804	1.143	2.063	61° 00'
29 10	.4874	.8732	.5581	1.792	1.145	2.052	60 50
29 20	.4899	.8718	.5619	1.780	1.147	2.041	60 40
29 30	.4924	.8704	.5658	1.767	1.149	2.031	60 30
29 40	.4950	.8689	.5696	1.756	1.151	2.020	60 20
29 50	.4975	.8675	.5735	1.744	1.153	2.010	60 10
30° 00'	.5000	.8660	.5774	1.732	1.155	2.000	60° 00'
30 10	.5025	.8646	.5812	1.720	1.157	1.990	59 50
30 20	.5050	.8631	.5851	1.709	1.159	1.980	59 40
30 30	.5075	.8616	.5890	1.698	1.161	1.970	59 30
30 40	.5100	.8601	.5930	1.686	1.163	1.961	59 20
30 50	.5125	.8587	.5969	1.675	1.165	1.951	59 10
31° 00'	.5150	.8572	.6009	1.664	1.167	1.942	59° 00'
31 10	.5175	.8557	.6048	1.653	1.169	1.932	58 50
31 20	.5200	.8542	.6088	1.643	1.171	1.923	58 40
31 30	.5225	.8526	.6128	1.632	1.173	1.914	58 30
31 40	.5250	.8511	.6168	1.621	1.175	1.905	58 20
31 50	.5275	.8496	.6208	1.611	1.177	1.896	58 10
32° 00'	.5299	.8480	.6249	1.600	1.179	1.887	58° 00'
	Cos	Sin	Cot	Tan	Csc	Sec	Degrees

Table 1 - Trigonometric Functions (continued)

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	
32° 00'	.5299	.8480	.6249	1.600	1.179	1.887	58° 00'
32 10	.5324	.8465	.6289	1.590	1.181	1.878	57 50
32 20	.5348	.8450	.6330	1.580	1.184	1.870	57 40
32 30	.5373	.8434	.6371	1.570	1.186	1.861	57 30
32 40	.5398	.8418	.6412	1.560	1.188	1.853	57 20
32 50	.5422	.8403	.6453	1.550	1.190	1.844	57 10
33° 00'	.5446	.8387	.6494	1.540	1.192	1.836	57° 00'
33 10	.5471	.8371	.6536	1.530	1.195	1.828	56 50
33 20	.5495	.8355	.6577	1.520	1.197	1.820	56 40
33 30	.5519	.8339	.6619	1.511	1.199	1.812	56 30
33 40	.5544	.8323	.6661	1.501	1.202	1.804	56 20
33 50	.5568	.8307	.6703	1.492	1.204	1.796	56 10
34° 00'	.5592	.8290	.6745	1.483	1.206	1.788	56° 00'
34 10	.5616	.8274	.6787	1.473	1.209	1.781	55 50
34 20	.5640	.8258	.6830	1.464	1.211	1.773	55 40
34 30	.5664	.8241	.6873	1.455	1.213	1.766	55 30
34 40	.5688	.8225	.6916	1.446	1.216	1.758	55 20
34 50	.5712	.8208	.6959	1.437	1.218	1.751	55 10
35° 00'	.5736	.8192	.7002	1.428	1.221	1.743	55° 00'
35 10	.5760	.8175	.7046	1.419	1.223	1.736	54 50
35 20	.5783	.8158	.7089	1.411	1.226	1.729	54 40
35 30	.5807	.8141	.7133	1.402	1.228	1.722	54 30
35 40	.5831	.8124	.7177	1.393	1.231	1.715	54 20
35 50	.5854	.8107	.7221	1.385	1.233	1.708	54 10
36° 00'	.5878	.8090	.7265	1.376	1.236	1.701	54° 00'
36 10	.5901	.8073	.7310	1.368	1.239	1.695	53 50
36 20	.5925	.8056	.7355	1.360	1.241	1.688	53 40
36 30	.5948	.8039	.7400	1.351	1.244	1.681	53 30
36 40	.5972	.8021	.7445	1.343	1.247	1.675	53 20
36 50	.5995	.8004	.7490	1.335	1.249	1.668	53 10
37° 00'	.6018	.7986	.7536	1.327	1.252	1.662	53° 00'
37 10	.6041	.7969	.7581	1.319	1.255	1.655	52 50
37 20	.6065	.7951	.7627	1.311	1.258	1.649	52 40
37 30	.6088	.7934	.7673	1.303	1.260	1.643	52 30
37 40	.6111	.7916	.7720	1.295	1.263	1.636	52 20
37 50	.6134	.7898	.7766	1.288	1.266	1.630	52 10
38° 00'	.6157	.7880	.7813	1.280	1.269	1.624	52° 00'
38 10	.6180	.7862	.7860	1.272	1.272	1.618	51 50
38 20	.6202	.7844	.7907	1.265	1.275	1.612	51 40
38 30	.6225	.7826	.7954	1.257	1.278	1.606	51 30
38 40	.6248	.7808	.8002	1.250	1.281	1.601	51 20
38 50	.6271	.7790	.8050	1.242	1.284	1.595	51 10
39° 00'	.6293	.7771	.8098	1.235	1.287	1.589	51° 00'
39 10	.6316	.7753	.8146	1.228	1.290	1.583	50 50
39 20	.6338	.7735	.8195	1.220	1.293	1.578	50 40
39 30	.6361	.7716	.8243	1.213	1.296	1.572	50 30
39 40	.6383	.7698	.8292	1.206	1.299	1.567	50 20
39 50	.6406	.7679	.8342	1.199	1.302	1.561	50 10
40° 00'	.6428	.7660	.8391	1.192	1.305	1.556	50° 00'
	Cos	Sin	Cot	Tan	Csc	Sec	Degrees

Table 1 - Trigonometric Functions (continued)

Degrees	Sin	Cos	Tan	Cot	Sec	Csc	Degrees
40° 00'	.6428	.7660	.8391	1.192	1.305	1.556	50° 00'
40 10	.6450	.7642	.8441	1.185	1.309	1.550	49 50
40 20	.6472	.7623	.8491	1.178	1.312	1.545	49 40
40 30	.6494	.7604	.8541	1.171	1.315	1.540	49 30
40 40	.6517	.7585	.8591	1.164	1.318	1.535	49 20
40 50	.6539	.7566	.8642	1.157	1.322	1.529	49 10
41° 00'	.6561	.7547	.8693	1.150	1.325	1.524	49° 00'
41 10	.6583	.7528	.8744	1.144	1.328	1.519	48 50
41 20	.6604	.7509	.8796	1.137	1.332	1.514	48 40
41 30	.6626	.7490	.8847	1.130	1.335	1.509	48 30
41 40	.6648	.7470	.8899	1.124	1.339	1.504	48 20
41 50	.6670	.7451	.8952	1.117	1.342	1.499	48 10
42° 00'	.6691	.7431	.9004	1.111	1.346	1.494	48° 00'
42 10	.6713	.7412	.9057	1.104	1.349	1.490	47 50
42 20	.6734	.7392	.9110	1.098	1.353	1.485	47 40
42 30	.6756	.7373	.9163	1.091	1.356	1.480	47 30
42 40	.6777	.7353	.9217	1.085	1.360	1.476	47 20
42 50	.6799	.7333	.9271	1.079	1.364	1.471	47 10
43° 00'	.6820	.7314	.9325	1.072	1.367	1.466	47° 00'
43 10	.6841	.7294	.9380	1.066	1.371	1.462	46 50
43 20	.6862	.7274	.9435	1.060	1.375	1.457	46 40
43 30	.6884	.7254	.9490	1.054	1.379	1.453	46 30
43 40	.6905	.7234	.9545	1.048	1.382	1.448	46 20
43 50	.6926	.7214	.9601	1.042	1.386	1.444	46 10
44° 00'	.6947	.7193	.9657	1.036	1.390	1.440	46° 00'
44 10	.6967	.7173	.9713	1.030	1.394	1.435	45 50
44 20	.6988	.7153	.9770	1.024	1.398	1.431	45 40
44 30	.7009	.7133	.9827	1.018	1.402	1.427	45 30
44 40	.7030	.7112	.9884	1.012	1.406	1.423	45 20
44 50	.7050	.7092	.9942	1.006	1.410	1.418	45 10
45° 00'	.7071	.7071	1.000	1.000	1.414	1.414	45° 00'
	Cos	Sin	Cot	Tan	Csc	Sec	Degrees

Table 2 - Trigonometric Functions (radians)

Radians	Sin	Cos	Tan	Radians	Sin	Cos	Tan
.00	.0000	1.0000	.0000	.40	.3894	.9211	.4228
.01	.0100	1.0000	.0100	.41	.3986	.9171	.4346
.02	.0200	.9998	.0200	.42	.4078	.9131	.4466
.03	.0300	.9996	.0300	.43	.4169	.9090	.4586
.04	.0400	.9992	.0400	.44	.4259	.9048	.4708
.05	.0500	.9988	.0500	.45	.4350	.9004	.4831
.06	.0600	.9982	.0601	.46	.4439	.8961	.4954
.07	.0699	.9976	.0701	.47	.4529	.8916	.5080
.08	.0799	.9968	.0802	.48	.4618	.8870	.5206
.09	.0899	.9960	.0902	.49	.4706	.8823	.5334
.10	.0998	.9950	.1003	.50	.4794	.8776	.5463
.11	.1098	.9940	.1104	.51	.4882	.8727	.5594
.12	.1197	.9928	.1206	.52	.4969	.8678	.5726
.13	.1296	.9916	.1307	.53	.5055	.8628	.5859
.14	.1395	.9902	.1409	.54	.5141	.8577	.5994
.15	.1494	.9888	.1511	.55	.5227	.8525	.6131
.16	.1593	.9872	.1614	.56	.5312	.8473	.6269
.17	.1692	.9856	.1717	.57	.5396	.8419	.6410
.18	.1790	.9838	.1820	.58	.5480	.8365	.6552
.19	.1889	.9820	.1923	.59	.5564	.8309	.6696
.20	.1987	.9801	.2027	.60	.5646	.8253	.6841
.21	.2085	.9780	.2131	.61	.5729	.8196	.6989
.22	.2182	.9759	.2236	.62	.5810	.8139	.7139
.23	.2280	.9737	.2341	.63	.5891	.8080	.7291
.24	.2377	.9713	.2447	.64	.5972	.8021	.7445
.25	.2474	.9689	.2553	.65	.6052	.7961	.7602
.26	.2571	.9664	.2660	.66	.6131	.7900	.7761
.27	.2667	.9638	.2768	.67	.6210	.7838	.7923
.28	.2764	.9611	.2876	.68	.6288	.7776	.8087
.29	.2860	.9582	.2984	.69	.6365	.7712	.8253
.30	.2955	.9553	.3093	.70	.6442	.7648	.8423
.31	.3051	.9523	.3203	.71	.6518	.7584	.8595
.32	.3146	.9492	.3314	.72	.6594	.7518	.8771
.33	.3240	.9460	.3425	.73	.6669	.7452	.8949
.34	.3335	.9428	.3537	.74	.6743	.7385	.9131
.35	.3429	.9394	.3650	.75	.6816	.7317	.9316
.36	.3523	.9359	.3764	.76	.6889	.7248	.9505
.37	.3616	.9323	.3879	.77	.6961	.7179	.9697
.38	.3709	.9287	.3994	.78	.7033	.7109	.9893
.39	.3802	.9249	.4111	.79	.7104	.7038	1.009

Table 2 - Trigonometric Functions (radians) - (continued)

Radians	Sin	Cos	Tan	Radians	Sin	Cos	Tan
.80	.7174	.6967	1.030	1.20	.9320	.3624	2.572
.81	.7243	.6895	1.050	1.21	.9356	.3530	2.650
.82	.7311	.6822	1.072	1.22	.9391	.3436	2.733
.83	.7379	.6749	1.093	1.23	.9425	.3342	2.820
.84	.7446	.6675	1.116	1.24	.9458	.3248	2.912
.85	.7513	.6600	1.138	1.25	.9490	.3153	3.010
.86	.7578	.6524	1.162	1.26	.9521	.3058	3.113
.87	.7643	.6448	1.185	1.27	.9551	.2963	3.224
.88	.7707	.6372	1.210	1.28	.9580	.2867	3.341
.89	.7771	.6294	1.235	1.29	.9608	.2771	3.467
.90	.7833	.6216	1.260	1.30	.9636	.2675	3.602
.91	.7895	.6137	1.286	1.31	.9662	.2579	3.747
.92	.7956	.6058	1.313	1.32	.9687	.2482	3.903
.93	.8016	.5978	1.341	1.33	.9711	.2385	4.072
.94	.8076	.5898	1.369	1.34	.9735	.2288	4.256
.95	.8134	.5817	1.398	1.35	.9757	.2190	4.455
.96	.8192	.5735	1.428	1.36	.9779	.2092	4.673
.97	.8249	.5653	1.459	1.37	.9799	.1995	4.913
.98	.8305	.5570	1.491	1.38	.9819	.1896	5.177
.99	.8360	.5487	1.524	1.39	.9837	.1798	5.471
1.00	.8415	.5403	1.557	1.40	.9854	.1700	5.798
1.01	.8468	.5319	1.592	1.41	.9871	.1601	6.165
1.02	.8521	.5234	1.628	1.42	.9887	.1502	6.581
1.03	.8573	.5148	1.665	1.43	.9901	.1403	7.055
1.04	.8624	.5062	1.704	1.44	.9915	.1304	7.602
1.05	.8674	.4976	1.743	1.45	.9927	.1205	8.238
1.06	.8724	.4889	1.784	1.46	.9939	.1106	8.989
1.07	.8772	.4801	1.827	1.47	.9949	.1006	9.887
1.08	.8820	.4713	1.871	1.48	.9959	.0907	10.98
1.09	.8866	.4625	1.917	1.49	.9967	.0807	12.35
1.10	.8912	.4536	1.965	1.50	.9975	.0707	14.10
1.11	.8957	.4447	2.014	1.51	.9982	.0608	16.43
1.12	.9001	.4357	2.066	1.52	.9987	.0508	19.67
1.13	.9044	.4267	2.120	1.53	.9992	.0408	24.50
1.14	.9086	.4176	2.176	1.54	.9995	.0308	32.46
1.15	.9128	.4085	2.234	1.55	.9998	.0208	48.08
1.16	.9168	.3993	2.296	1.56	.9999	.0108	92.62
1.17	.9208	.3902	2.360	1.57	1.000	.0008	1256.
1.18	.9246	.3809	2.427				
1.19	.9284	.3717	2.498				