

Trigonometric Table

x	$\sin x$	$\cos x$	$\tan x$
0.0°	0.000000	1.000000	0.000000
0.5°	0.008727	0.999962	0.008727
1.0°	0.017452	0.999848	0.017455
1.5°	0.026177	0.999657	0.026186
2.0°	0.034899	0.999391	0.034921
2.5°	0.043619	0.999048	0.043661
3.0°	0.052336	0.998630	0.052408
3.5°	0.061049	0.998135	0.061163
4.0°	0.069756	0.997564	0.069927
4.5°	0.078459	0.996917	0.078702
5.0°	0.087156	0.996195	0.087489
5.5°	0.095846	0.995396	0.096289
6.0°	0.104528	0.994522	0.105104
6.5°	0.113203	0.993572	0.113936
7.0°	0.121869	0.992546	0.122785
7.5°	0.130526	0.991445	0.131652
8.0°	0.139173	0.990268	0.140541
8.5°	0.147809	0.989016	0.149451
9.0°	0.156434	0.987688	0.158384
9.5°	0.165048	0.986286	0.167343
10.0°	0.173648	0.984808	0.176327
10.5°	0.182236	0.983255	0.185339
11.0°	0.190809	0.981627	0.194380
11.5°	0.199368	0.979925	0.203452
12.0°	0.207912	0.978148	0.212557
12.5°	0.216440	0.976296	0.221695
13.0°	0.224951	0.974370	0.230868
13.5°	0.233445	0.972370	0.240079
14.0°	0.241922	0.970296	0.249328
14.5°	0.250380	0.968148	0.258618
15.0°	0.258819	0.965926	0.267949
15.5°	0.267238	0.963630	0.277325
16.0°	0.275637	0.961262	0.286745
16.5°	0.284015	0.958820	0.296213
17.0°	0.292372	0.956305	0.305731
17.5°	0.300706	0.953717	0.315299
18.0°	0.309017	0.951057	0.324920
18.5°	0.317305	0.948324	0.334595
19.0°	0.325568	0.945519	0.344328
19.5°	0.333807	0.942641	0.354119
20.0°	0.342020	0.939693	0.363970
20.5°	0.350207	0.936672	0.373885
21.0°	0.358368	0.933580	0.383864
21.5°	0.366501	0.930418	0.393910
22.0°	0.374607	0.927184	0.404026
22.5°	0.382683	0.923880	0.414214

x	$\sin x$	$\cos x$	$\tan x$
22.5°	0.382683	0.923880	0.414214
23.0°	0.390731	0.920505	0.424475
23.5°	0.398749	0.917060	0.434812
24.0°	0.406737	0.913545	0.445229
24.5°	0.414693	0.909961	0.455726
25.0°	0.422618	0.906308	0.466308
25.5°	0.430511	0.902585	0.476976
26.0°	0.438371	0.898794	0.487733
26.5°	0.446198	0.894934	0.498582
27.0°	0.453990	0.891007	0.509525
27.5°	0.461749	0.887011	0.520567
28.0°	0.469472	0.882948	0.531709
28.5°	0.477159	0.878817	0.542956
29.0°	0.484810	0.874620	0.554309
29.5°	0.492424	0.870356	0.565773
30.0°	0.500000	0.866025	0.577350
30.5°	0.507538	0.861629	0.589045
31.0°	0.515038	0.857167	0.600861
31.5°	0.522499	0.852640	0.612801
32.0°	0.529919	0.848048	0.624869
32.5°	0.537300	0.843391	0.637070
33.0°	0.544639	0.838671	0.649408
33.5°	0.551937	0.833886	0.661886
34.0°	0.559193	0.829038	0.674509
34.5°	0.566406	0.824126	0.687281
35.0°	0.573576	0.819152	0.700208
35.5°	0.580703	0.814116	0.713293
36.0°	0.587785	0.809017	0.726543
36.5°	0.594823	0.803857	0.739961
37.0°	0.601815	0.798636	0.753554
37.5°	0.608761	0.793353	0.767327
38.0°	0.615661	0.788011	0.781286
38.5°	0.622515	0.782608	0.795436
39.0°	0.629320	0.777146	0.809784
39.5°	0.636078	0.771625	0.824336
40.0°	0.642788	0.766044	0.839100
40.5°	0.649448	0.760406	0.854081
41.0°	0.656059	0.754710	0.869287
41.5°	0.662620	0.748956	0.884725
42.0°	0.669131	0.743145	0.900404
42.5°	0.675590	0.737277	0.916331
43.0°	0.681998	0.731354	0.932515
43.5°	0.688355	0.725374	0.948965
44.0°	0.694658	0.719340	0.965689
44.5°	0.700909	0.713250	0.982697
45.0°	0.707107	0.707107	1.000000

Trigonometric Table

x	$\sin x$	$\cos x$	$\tan x$
45.0°	0.707107	0.707107	1.000000
45.5°	0.713250	0.700909	1.017607
46.0°	0.719340	0.694658	1.035530
46.5°	0.725374	0.688355	1.053780
47.0°	0.731354	0.681998	1.072369
47.5°	0.737277	0.675590	1.091309
48.0°	0.743145	0.669131	1.110613
48.5°	0.748956	0.662620	1.130294
49.0°	0.754710	0.656059	1.150368
49.5°	0.760406	0.649448	1.170850
50.0°	0.766044	0.642788	1.191754
50.5°	0.771625	0.636078	1.213097
51.0°	0.777146	0.629320	1.234897
51.5°	0.782608	0.622515	1.257172
52.0°	0.788011	0.615661	1.279942
52.5°	0.793353	0.608761	1.303225
53.0°	0.798636	0.601815	1.327045
53.5°	0.803857	0.594823	1.351422
54.0°	0.809017	0.587785	1.376382
54.5°	0.814116	0.580703	1.401948
55.0°	0.819152	0.573576	1.428148
55.5°	0.824126	0.566406	1.455009
56.0°	0.829038	0.559193	1.482561
56.5°	0.833886	0.551937	1.510835
57.0°	0.838671	0.544639	1.539865
57.5°	0.843391	0.537300	1.569686
58.0°	0.848048	0.529919	1.600335
58.5°	0.852640	0.522499	1.631852
59.0°	0.857167	0.515038	1.664279
59.5°	0.861629	0.507538	1.697663
60.0°	0.866025	0.500000	1.732051
60.5°	0.870356	0.492424	1.767494
61.0°	0.874620	0.484810	1.804048
61.5°	0.878817	0.477159	1.841771
62.0°	0.882948	0.469472	1.880726
62.5°	0.887011	0.461749	1.920982
63.0°	0.891007	0.453990	1.962611
63.5°	0.894934	0.446198	2.005690
64.0°	0.898794	0.438371	2.050304
64.5°	0.902585	0.430511	2.096544
65.0°	0.906308	0.422618	2.144507
65.5°	0.909961	0.414693	2.194300
66.0°	0.913545	0.406737	2.246037
66.5°	0.917060	0.398749	2.299843
67.0°	0.920505	0.390731	2.355852
67.5°	0.923880	0.382683	2.414214

x	$\sin x$	$\cos x$	$\tan x$
67.5°	0.923880	0.382683	2.414214
68.0°	0.927184	0.374607	2.475087
68.5°	0.930418	0.366501	2.538648
69.0°	0.933580	0.358368	2.605089
69.5°	0.936672	0.350207	2.674621
70.0°	0.939693	0.342020	2.747477
70.5°	0.942641	0.333807	2.823913
71.0°	0.945519	0.325568	2.904211
71.5°	0.948324	0.317305	2.988685
72.0°	0.951057	0.309017	3.077684
72.5°	0.953717	0.300706	3.171595
73.0°	0.956305	0.292372	3.270853
73.5°	0.958820	0.284015	3.375943
74.0°	0.961262	0.275637	3.487414
74.5°	0.963630	0.267238	3.605884
75.0°	0.965926	0.258819	3.732051
75.5°	0.968148	0.250380	3.866713
76.0°	0.970296	0.241922	4.010781
76.5°	0.972370	0.233445	4.165300
77.0°	0.974370	0.224951	4.331476
77.5°	0.976296	0.216440	4.510709
78.0°	0.978148	0.207912	4.704630
78.5°	0.979925	0.199368	4.915157
79.0°	0.981627	0.190809	5.144554
79.5°	0.983255	0.182236	5.395517
80.0°	0.984808	0.173648	5.671282
80.5°	0.986286	0.165048	5.975764
81.0°	0.987688	0.156434	6.313752
81.5°	0.989016	0.147809	6.691156
82.0°	0.990268	0.139173	7.115370
82.5°	0.991445	0.130526	7.595754
83.0°	0.992546	0.121869	8.144346
83.5°	0.993572	0.113203	8.776887
84.0°	0.994522	0.104528	9.514364
84.5°	0.995396	0.095846	10.385397
85.0°	0.996195	0.087156	11.430052
85.5°	0.996917	0.078459	12.706205
86.0°	0.997564	0.069756	14.300666
86.5°	0.998135	0.061049	16.349855
87.0°	0.998630	0.052336	19.081137
87.5°	0.999048	0.043619	22.903766
88.0°	0.999391	0.034899	28.636253
88.5°	0.999657	0.026177	38.188459
89.0°	0.999848	0.017452	57.289962
89.5°	0.999962	0.008727	1.146e+02
90.0°	1.000000	0.000000	undefined