

$\theta$ (degrees)	$\theta$ (radians)	COS ( $\theta$ )	SIN ( $\theta$ )	TAN ( $\theta$ )		$\theta$ (degrees)	$\theta$ (radians)	COS ( $\theta$ )	SIN ( $\theta$ )	TAN ( $\theta$ )
0	0	1	0.0000	0		45	0.7854	0.7071	0.7071	1
1	0.0175	0.9998	0.0175	0.0175		46	0.8029	0.6947	0.7193	1.0355
2	0.0349	0.9994	0.0349	0.0349		47	0.8203	0.6820	0.7314	1.0724
3	0.0524	0.9986	0.0523	0.0524		48	0.8378	0.6691	0.7431	1.1106
4	0.0698	0.9976	0.0698	0.0699		49	0.8552	0.6561	0.7547	1.1504
5	0.0873	0.9962	0.0872	0.0875		50	0.8727	0.6428	0.7660	1.1918
6	0.1047	0.9945	0.1045	0.1051		51	0.8901	0.6293	0.7771	1.2349
7	0.1222	0.9925	0.1219	0.1228		52	0.9076	0.6157	0.7880	1.2799
8	0.1396	0.9903	0.1392	0.1405		53	0.9250	0.6018	0.7986	1.3270
9	0.1571	0.9877	0.1564	0.1584		54	0.9425	0.5878	0.8090	1.3764
10	0.1745	0.9848	0.1736	0.1763		55	0.9599	0.5736	0.8192	1.4281
11	0.1920	0.9816	0.1908	0.1944		56	0.9774	0.5592	0.8290	1.4826
12	0.2094	0.9781	0.2079	0.2126		57	0.9948	0.5446	0.8387	1.5399
13	0.2269	0.9744	0.2250	0.2309		58	1.0123	0.5299	0.8480	1.6003
14	0.2443	0.9703	0.2419	0.2493		59	1.0297	0.5150	0.8572	1.6643
15	0.2618	0.9659	0.2588	0.2679		60	1.0472	0.5	0.8660	1.7321
16	0.2793	0.9613	0.2756	0.2867		61	1.0647	0.4848	0.8746	1.8040
17	0.2967	0.9563	0.2924	0.3057		62	1.0821	0.4695	0.8829	1.8807
18	0.3142	0.9511	0.3090	0.3249		63	1.0996	0.4540	0.8910	1.9626
19	0.3316	0.9455	0.3256	0.3443		64	1.1170	0.4384	0.8988	2.0503
20	0.3491	0.9397	0.3420	0.3640		65	1.1345	0.4226	0.9063	2.1445
21	0.3665	0.9336	0.3584	0.3839		66	1.1519	0.4067	0.9135	2.2460
22	0.3840	0.9272	0.3746	0.4040		67	1.1694	0.3907	0.9205	2.3559
23	0.4014	0.9205	0.3907	0.4245		68	1.1868	0.3746	0.9272	2.4751
24	0.4189	0.9135	0.4067	0.4452		69	1.2043	0.3584	0.9336	2.6051
25	0.4363	0.9063	0.4226	0.4663		70	1.2217	0.3420	0.9397	2.7475
26	0.4538	0.8988	0.4384	0.4877		71	1.2392	0.3256	0.9455	2.9042
27	0.4712	0.8910	0.4540	0.5095		72	1.2566	0.3090	0.9511	3.0777
28	0.4887	0.8829	0.4695	0.5317		73	1.2741	0.2924	0.9563	3.2709
29	0.5061	0.8746	0.4848	0.5543		74	1.2915	0.2756	0.9613	3.4874
30	0.5236	0.8660	0.5	0.5774		75	1.3090	0.2588	0.9659	3.7321
31	0.5411	0.8572	0.5150	0.6009		76	1.3265	0.2419	0.9703	4.0108
32	0.5585	0.8480	0.5299	0.6249		77	1.3439	0.2250	0.9744	4.3315
33	0.5760	0.8387	0.5446	0.6494		78	1.3614	0.2079	0.9781	4.7046
34	0.5934	0.8290	0.5592	0.6745		79	1.3788	0.1908	0.9816	5.1446
35	0.6109	0.8192	0.5736	0.7002		80	1.3963	0.1736	0.9848	5.6713
36	0.6283	0.8090	0.5878	0.7265		81	1.4137	0.1564	0.9877	6.3138
37	0.6458	0.7986	0.6018	0.7536		82	1.4312	0.1392	0.9903	7.1154
38	0.6632	0.7880	0.6157	0.7813		83	1.4486	0.1219	0.9925	8.1443
39	0.6807	0.7771	0.6293	0.8098		84	1.4661	0.1045	0.9945	9.5144
40	0.6981	0.7660	0.6428	0.8391		85	1.4835	0.0872	0.9962	11.4301
41	0.7156	0.7547	0.6561	0.8693		86	1.5010	0.0698	0.9976	14.3007
42	0.7330	0.7431	0.6691	0.9004		87	1.5184	0.0523	0.9986	19.0811
43	0.7505	0.7314	0.6820	0.9325		88	1.5359	0.0349	0.9994	28.6363
44	0.7679	0.7193	0.6947	0.9657		89	1.5533	0.0175	0.9998	57.2900
45	0.7854	0.7071	0.7071	1		90	1.5708	0	1	