

Sine, Cosine, and Tangent Table: 0 to 360 degrees

Degrees	Sine	Cosine	Tangent	Degrees	Sine	Cosine	Tangent	Degrees	Sine	Cosine	Tangent
0	0.0000	1.0000	0.0000	60	0.8660	0.5000	1.7321	120	0.8660	-0.5000	-1.7321
1	0.0175	0.9998	0.0175	61	0.8746	0.4848	1.8040	121	0.8572	-0.5150	-1.6643
2	0.0349	0.9994	0.0349	62	0.8829	0.4695	1.8807	122	0.8480	-0.5299	-1.6003
3	0.0523	0.9986	0.0524	63	0.8910	0.4540	1.9626	123	0.8387	-0.5446	-1.5399
4	0.0698	0.9976	0.0699	64	0.8988	0.4384	2.0503	124	0.8290	-0.5592	-1.4826
5	0.0872	0.9962	0.0875	65	0.9063	0.4226	2.1445	125	0.8192	-0.5736	-1.4281
6	0.1045	0.9945	0.1051	66	0.9135	0.4067	2.2460	126	0.8090	-0.5878	-1.3764
7	0.1219	0.9925	0.1228	67	0.9205	0.3907	2.3559	127	0.7986	-0.6018	-1.3270
8	0.1392	0.9903	0.1405	68	0.9272	0.3746	2.4751	128	0.7880	-0.6157	-1.2799
9	0.1564	0.9877	0.1584	69	0.9336	0.3584	2.6051	129	0.7771	-0.6293	-1.2349
10	0.1736	0.9848	0.1763	70	0.9397	0.3420	2.7475	130	0.7660	-0.6428	-1.1918
11	0.1908	0.9816	0.1944	71	0.9455	0.3256	2.9042	131	0.7547	-0.6561	-1.1504
12	0.2079	0.9781	0.2126	72	0.9511	0.3090	3.0777	132	0.7431	-0.6691	-1.1106
13	0.2250	0.9744	0.2309	73	0.9563	0.2924	3.2709	133	0.7314	-0.6820	-1.0724
14	0.2419	0.9703	0.2493	74	0.9613	0.2756	3.4874	134	0.7193	-0.6947	-1.0355
15	0.2588	0.9659	0.2679	75	0.9659	0.2588	3.7321	135	0.7071	-0.7071	-1.0000
16	0.2756	0.9613	0.2867	76	0.9703	0.2419	4.0108	136	0.6947	-0.7193	-0.9657
17	0.2924	0.9563	0.3057	77	0.9744	0.2250	4.3315	137	0.6820	-0.7314	-0.9325
18	0.3090	0.9511	0.3249	78	0.9781	0.2079	4.7046	138	0.6691	-0.7431	-0.9004
19	0.3256	0.9455	0.3443	79	0.9816	0.1908	5.1446	139	0.6561	-0.7547	-0.8693
20	0.3420	0.9397	0.3640	80	0.9848	0.1736	5.6713	140	0.6428	-0.7660	-0.8391
21	0.3584	0.9336	0.3839	81	0.9877	0.1564	6.3138	141	0.6293	-0.7771	-0.8098
22	0.3746	0.9272	0.4040	82	0.9903	0.1392	7.1154	142	0.6157	-0.7880	-0.7813
23	0.3907	0.9205	0.4245	83	0.9925	0.1219	8.1443	143	0.6018	-0.7986	-0.7536
24	0.4067	0.9135	0.4452	84	0.9945	0.1045	9.5144	144	0.5878	-0.8090	-0.7265
25	0.4226	0.9063	0.4663	85	0.9962	0.0872	11.4301	145	0.5736	-0.8192	-0.7002
26	0.4384	0.8988	0.4877	86	0.9976	0.0698	14.3007	146	0.5592	-0.8290	-0.6745
27	0.4540	0.8910	0.5095	87	0.9986	0.0523	19.0811	147	0.5446	-0.8387	-0.6494
28	0.4695	0.8829	0.5317	88	0.9994	0.0349	28.6363	148	0.5299	-0.8480	-0.6249
29	0.4848	0.8746	0.5543	89	0.9998	0.0175	57.2900	149	0.5150	-0.8572	-0.6009
30	0.5000	0.8660	0.5774	90	1.0000	0.0000	undefined	150	0.5000	-0.8660	-0.5774
31	0.5150	0.8572	0.6009	91	0.9998	-0.0175	-57.2900	151	0.4848	-0.8746	-0.5543
32	0.5299	0.8480	0.6249	92	0.9994	-0.0349	-28.6363	152	0.4695	-0.8829	-0.5317
33	0.5446	0.8387	0.6494	93	0.9986	-0.0523	-19.0811	153	0.4540	-0.8910	-0.5095
34	0.5592	0.8290	0.6745	94	0.9976	-0.0698	-14.3007	154	0.4384	-0.8988	-0.4877
35	0.5736	0.8192	0.7002	95	0.9962	-0.0872	-11.4301	155	0.4226	-0.9063	-0.4663
36	0.5878	0.8090	0.7265	96	0.9945	-0.1045	-9.5144	156	0.4067	-0.9135	-0.4452
37	0.6018	0.7986	0.7536	97	0.9925	-0.1219	-8.1443	157	0.3907	-0.9205	-0.4245
38	0.6157	0.7880	0.7813	98	0.9903	-0.1392	-7.1154	158	0.3746	-0.9272	-0.4040
39	0.6293	0.7771	0.8098	99	0.9877	-0.1564	-6.3138	159	0.3584	-0.9336	-0.3839
40	0.6428	0.7660	0.8391	100	0.9848	-0.1736	-5.6713	160	0.3420	-0.9397	-0.3640
41	0.6561	0.7547	0.8693	101	0.9816	-0.1908	-5.1446	161	0.3256	-0.9455	-0.3443
42	0.6691	0.7431	0.9004	102	0.9781	-0.2079	-4.7046	162	0.3090	-0.9511	-0.3249
43	0.6820	0.7314	0.9325	103	0.9744	-0.2250	-4.3315	163	0.2924	-0.9563	-0.3057
44	0.6947	0.7193	0.9657	104	0.9703	-0.2419	-4.0108	164	0.2756	-0.9613	-0.2867
45	0.7071	0.7071	1.0000	105	0.9659	-0.2588	-3.7321	165	0.2588	-0.9659	-0.2679
46	0.7193	0.6947	1.0355	106	0.9613	-0.2756	-3.4874	166	0.2419	-0.9703	-0.2493
47	0.7314	0.6820	1.0724	107	0.9563	-0.2924	-3.2709	167	0.2250	-0.9744	-0.2309
48	0.7431	0.6691	1.1106	108	0.9511	-0.3090	-3.0777	168	0.2079	-0.9781	-0.2126
49	0.7547	0.6561	1.1504	109	0.9455	-0.3256	-2.9042	169	0.1908	-0.9816	-0.1944
50	0.7660	0.6428	1.1918	110	0.9397	-0.3420	-2.7475	170	0.1736	-0.9848	-0.1763
51	0.7771	0.6293	1.2349	111	0.9336	-0.3584	-2.6051	171	0.1564	-0.9877	-0.1584
52	0.7880	0.6157	1.2799	112	0.9272	-0.3746	-2.4751	172	0.1392	-0.9903	-0.1405
53	0.7986	0.6018	1.3270	113	0.9205	-0.3907	-2.3559	173	0.1219	-0.9925	-0.1228
54	0.8090	0.5878	1.3764	114	0.9135	-0.4067	-2.2460	174	0.1045	-0.9945	-0.1051
55	0.8192	0.5736	1.4281	115	0.9063	-0.4226	-2.1445	175	0.0872	-0.9962	-0.0875
56	0.8290	0.5592	1.4826	116	0.8988	-0.4384	-2.0503	176	0.0698	-0.9976	-0.0699
57	0.8387	0.5446	1.5399	117	0.8910	-0.4540	-1.9626	177	0.0523	-0.9986	-0.0524
58	0.8480	0.5299	1.6003	118	0.8829	-0.4695	-1.8807	178	0.0349	-0.9994	-0.0349
59	0.8572	0.5150	1.6643	119	0.8746	-0.4848	-1.8040	179	0.0175	-0.9998	-0.0175
60	0.8660	0.5000	1.7321	120	0.8660	-0.5000	-1.7321	180	0.0000	-1.0000	0.0000

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Degrees	Sine	Cosine	Tangent	Degrees	Sine	Cosine	Tangent	Degrees	Sine	Cosine	Tangent
180	0.0000	-1.0000	0.0000	240	-0.8660	-0.5000	1.7321	300	-0.8660	0.5000	-1.7321
181	-0.0175	-0.9998	0.0175	241	-0.8746	-0.4848	1.8040	301	-0.8572	0.5150	-1.6643
182	-0.0349	-0.9994	0.0349	242	-0.8829	-0.4695	1.8807	302	-0.8480	0.5299	-1.6003
183	-0.0523	-0.9986	0.0524	243	-0.8910	-0.4540	1.9626	303	-0.8387	0.5446	-1.5399
184	-0.0698	-0.9976	0.0699	244	-0.8988	-0.4384	2.0503	304	-0.8290	0.5592	-1.4826
185	-0.0872	-0.9962	0.0875	245	-0.9063	-0.4226	2.1445	305	-0.8192	0.5736	-1.4281
186	-0.1045	-0.9945	0.1051	246	-0.9135	-0.4067	2.2460	306	-0.8090	0.5878	-1.3764
187	-0.1219	-0.9925	0.1228	247	-0.9205	-0.3907	2.3559	307	-0.7986	0.6018	-1.3270
188	-0.1392	-0.9903	0.1405	248	-0.9272	-0.3746	2.4751	308	-0.7880	0.6157	-1.2799
189	-0.1564	-0.9877	0.1584	249	-0.9336	-0.3584	2.6051	309	-0.7771	0.6293	-1.2349
190	-0.1736	-0.9848	0.1763	250	-0.9397	-0.3420	2.7475	310	-0.7660	0.6428	-1.1918
191	-0.1908	-0.9816	0.1944	251	-0.9455	-0.3256	2.9042	311	-0.7547	0.6561	-1.1504
192	-0.2079	-0.9781	0.2126	252	-0.9511	-0.3090	3.0777	312	-0.7431	0.6691	-1.1106
193	-0.2250	-0.9744	0.2309	253	-0.9563	-0.2924	3.2709	313	-0.7314	0.6820	-1.0724
194	-0.2419	-0.9703	0.2493	254	-0.9613	-0.2756	3.4874	314	-0.7193	0.6947	-1.0355
195	-0.2588	-0.9659	0.2679	255	-0.9659	-0.2588	3.7321	315	-0.7071	0.7071	-1.0000
196	-0.2756	-0.9613	0.2867	256	-0.9703	-0.2419	4.0108	316	-0.6947	0.7193	-0.9657
197	-0.2924	-0.9563	0.3057	257	-0.9744	-0.2250	4.3315	317	-0.6820	0.7314	-0.9325
198	-0.3090	-0.9511	0.3249	258	-0.9781	-0.2079	4.7046	318	-0.6691	0.7431	-0.9004
199	-0.3256	-0.9455	0.3443	259	-0.9816	-0.1908	5.1446	319	-0.6561	0.7547	-0.8693
200	-0.3420	-0.9397	0.3640	260	-0.9848	-0.1736	5.6713	320	-0.6428	0.7660	-0.8391
201	-0.3584	-0.9336	0.3839	261	-0.9877	-0.1564	6.3138	321	-0.6293	0.7771	-0.8098
202	-0.3746	-0.9272	0.4040	262	-0.9903	-0.1392	7.1154	322	-0.6157	0.7880	-0.7813
203	-0.3907	-0.9205	0.4245	263	-0.9925	-0.1219	8.1443	323	-0.6018	0.7986	-0.7536
204	-0.4067	-0.9135	0.4452	264	-0.9945	-0.1045	9.5144	324	-0.5878	0.8090	-0.7265
205	-0.4226	-0.9063	0.4663	265	-0.9962	-0.0872	11.4301	325	-0.5736	0.8192	-0.7002
206	-0.4384	-0.8988	0.4877	266	-0.9976	-0.0698	14.3007	326	-0.5592	0.8290	-0.6745
207	-0.4540	-0.8910	0.5095	267	-0.9986	-0.0523	19.0811	327	-0.5446	0.8387	-0.6494
208	-0.4695	-0.8829	0.5317	268	-0.9994	-0.0349	28.6363	328	-0.5299	0.8480	-0.6249
209	-0.4848	-0.8746	0.5543	269	-0.9998	-0.0175	57.2900	329	-0.5150	0.8572	-0.6009
210	-0.5000	-0.8660	0.5774	270	-1.0000	0.0000	undefined	330	-0.5000	0.8660	-0.5774
211	-0.5150	-0.8572	0.6009	271	-0.9998	0.0175	-57.2900	331	-0.4848	0.8746	-0.5543
212	-0.5299	-0.8480	0.6249	272	-0.9994	0.0349	-28.6363	332	-0.4695	0.8829	-0.5317
213	-0.5446	-0.8387	0.6494	273	-0.9986	0.0523	-19.0811	333	-0.4540	0.8910	-0.5095
214	-0.5592	-0.8290	0.6745	274	-0.9976	0.0698	-14.3007	334	-0.4384	0.8988	-0.4877
215	-0.5736	-0.8192	0.7002	275	-0.9962	0.0872	-11.4301	335	-0.4226	0.9063	-0.4663
216	-0.5878	-0.8090	0.7265	276	-0.9945	0.1045	-9.5144	336	-0.4067	0.9135	-0.4452
217	-0.6018	-0.7986	0.7536	277	-0.9925	0.1219	-8.1443	337	-0.3907	0.9205	-0.4245
218	-0.6157	-0.7880	0.7813	278	-0.9903	0.1392	-7.1154	338	-0.3746	0.9272	-0.4040
219	-0.6293	-0.7771	0.8098	279	-0.9877	0.1564	-6.3138	339	-0.3584	0.9336	-0.3839
220	-0.6428	-0.7660	0.8391	280	-0.9848	0.1736	-5.6713	340	-0.3420	0.9397	-0.3640
221	-0.6561	-0.7547	0.8693	281	-0.9816	0.1908	-5.1446	341	-0.3256	0.9455	-0.3443
222	-0.6691	-0.7431	0.9004	282	-0.9781	0.2079	-4.7046	342	-0.3090	0.9511	-0.3249
223	-0.6820	-0.7314	0.9325	283	-0.9744	0.2250	-4.3315	343	-0.2924	0.9563	-0.3057
224	-0.6947	-0.7193	0.9657	284	-0.9703	0.2419	-4.0108	344	-0.2756	0.9613	-0.2867
225	-0.7071	-0.7071	1.0000	285	-0.9659	0.2588	-3.7321	345	-0.2588	0.9659	-0.2679
226	-0.7193	-0.6947	1.0355	286	-0.9613	0.2756	-3.4874	346	-0.2419	0.9703	-0.2493
227	-0.7314	-0.6820	1.0724	287	-0.9563	0.2924	-3.2709	347	-0.2250	0.9744	-0.2309
228	-0.7431	-0.6691	1.1106	288	-0.9511	0.3090	-3.0777	348	-0.2079	0.9781	-0.2126
229	-0.7547	-0.6561	1.1504	289	-0.9455	0.3256	-2.9042	349	-0.1908	0.9816	-0.1944
230	-0.7660	-0.6428	1.1918	290	-0.9397	0.3420	-2.7475	350	-0.1736	0.9848	-0.1763
231	-0.7771	-0.6293	1.2349	291	-0.9336	0.3584	-2.6051	351	-0.1564	0.9877	-0.1584
232	-0.7880	-0.6157	1.2799	292	-0.9272	0.3746	-2.4751	352	-0.1392	0.9903	-0.1405
233	-0.7986	-0.6018	1.3270	293	-0.9205	0.3907	-2.3559	353	-0.1219	0.9925	-0.1228
234	-0.8090	-0.5878	1.3764	294	-0.9135	0.4067	-2.2460	354	-0.1045	0.9945	-0.1051
235	-0.8192	-0.5736	1.4281	295	-0.9063	0.4226	-2.1445	355	-0.0872	0.9962	-0.0875
236	-0.8290	-0.5592	1.4826	296	-0.8988	0.4384	-2.0503	356	-0.0698	0.9976	-0.0699
237	-0.8387	-0.5446	1.5399	297	-0.8910	0.4540	-1.9626	357	-0.0523	0.9986	-0.0524
238	-0.8480	-0.5299	1.6003	298	-0.8829	0.4695	-1.8807	358	-0.0349	0.9994	-0.0349
239	-0.8572	-0.5150	1.6643	299	-0.8746	0.4848	-1.8040	359	-0.0175	0.9998	-0.0175
240	-0.8660	-0.5000	1.7321	300	-0.8660	0.5000	-1.7321	360	0.0000	1.0000	0.0000