

# The Sine Function Table

ET Programming Language By Max Base

Degree	Result	Correct answer	Degree	Result	Correct answer
0	0	0	1	0.0174524	0.017452406437284
2	0.0348995	0.034899496702501	3	0.052336	0.052335956242944
4	0.0697565	0.069756473744125	5	0.0871557	0.087155742747658
6	0.104528	0.10452846326765	7	0.121869	0.12186934340515
8	0.139173	0.13917310096007	9	0.156434	0.15643446504023
10	0.173648	0.17364817766693	11	0.190809	0.19080899537654
12	0.207912	0.20791169081776	13	0.224951	0.22495105434386
14	0.241922	0.24192189559967	15	0.258819	0.25881904510252
16	0.275637	0.275637355817	17	0.292372	0.29237170472274
18	0.309017	0.30901699437495	19	0.325568	0.32556815445716
20	0.34202	0.34202014332567	21	0.358368	0.3583679495453
22	0.374607	0.37460659341591	23	0.390731	0.39073112848927
24	0.406737	0.4067366430758	25	0.422618	0.4226182617407
26	0.438371	0.43837114678908	27	0.45399	0.45399049973955
28	0.469472	0.46947156278589	29	0.48481	0.48480962024634
30	0.5	0.5	31	0.515038	0.51503807491005
32	0.529919	0.5299192642332	33	0.544639	0.54463903501503
34	0.559193	0.55919290347075	35	0.573576	0.57357643635105
36	0.587785	0.58778525229247	37	0.601815	0.60181502315205
38	0.615661	0.61566147532566	39	0.62932	0.62932039104984
40	0.642788	0.64278760968654	41	0.656059	0.65605902899051
42	0.669131	0.66913060635886	43	0.681998	0.6819983600625
44	0.694658	0.694658370459	45	0.707107	0.70710678118655
46	0.71934	0.71933980033865	47	0.731354	0.73135370161917
48	0.743145	0.74314482547739	49	0.75471	0.75470958022277
50	0.766044	0.76604444311898	51	0.777146	0.77714596145697
52	0.788011	0.78801075360672	53	0.798636	0.79863551004729
54	0.809017	0.80901699437495	55	0.819152	0.81915204428899
56	0.829038	0.82903757255504	57	0.838671	0.83867056794542
58	0.848048	0.84804809615643	59	0.857167	0.85716730070211
60	0.866025	0.86602540378444	61	0.87462	0.8746197071394
62	0.882948	0.88294759285893	63	0.891007	0.89100652418837
64	0.898794	0.89879404629917	65	0.906308	0.90630778703665
66	0.913545	0.9135454576426	67	0.920505	0.92050485345244
68	0.927184	0.92718385456679	69	0.93358	0.9335804264972

70	0.939693	0.93969262078591	71	0.945519	0.94551857559932
72	0.951057	0.95105651629515	73	0.956305	0.95630475596304
74	0.961262	0.96126169593832	75	0.965926	0.96592582628907
76	0.970296	0.970295726276	77	0.97437	0.97437006478524
78	0.978148	0.97814760073381	79	0.981627	0.98162718344766
80	0.984808	0.98480775301221	81	0.987688	0.98768834059514
82	0.990268	0.99026806874157	83	0.992546	0.99254615164132
84	0.994522	0.99452189536827	85	0.996195	0.99619469809175
86	0.997564	0.99756405025982	87	0.99863	0.99862953475457
88	0.999391	0.9993908270191	89	0.999848	0.99984769515639
90	1	1	91	0.999848	0.99984769515639
92	0.999391	0.9993908270191	93	0.99863	0.99862953475457
94	0.997564	0.99756405025982	95	0.996195	0.99619469809175
96	0.994522	0.99452189536827	97	0.992546	0.99254615164132
98	0.990268	0.99026806874157	99	0.987688	0.98768834059514
100	0.984808	0.98480775301221	101	0.981627	0.98162718344766
102	0.978148	0.97814760073381	103	0.97437	0.97437006478524
104	0.970296	0.970295726276	105	0.965926	0.96592582628907
106	0.961262	0.96126169593832	107	0.956305	0.95630475596304
108	0.951057	0.95105651629515	109	0.945519	0.94551857559932
110	0.939693	0.93969262078591	111	0.93358	0.9335804264972
112	0.927184	0.92718385456679	113	0.920505	0.92050485345244
114	0.913545	0.9135454576426	115	0.906308	0.90630778703665
116	0.898794	0.89879404629917	117	0.891007	0.89100652418837
118	0.882948	0.88294759285893	119	0.87462	0.8746197071394
120	0.866025	0.86602540378444	121	0.857167	0.85716730070211
122	0.848048	0.84804809615643	123	0.838671	0.83867056794542
124	0.829038	0.82903757255504	125	0.819152	0.81915204428899
126	0.809017	0.80901699437495	127	0.798636	0.79863551004729
128	0.788011	0.78801075360672	129	0.777146	0.77714596145697
130	0.766044	0.76604444311898	131	0.75471	0.75470958022277
132	0.743145	0.74314482547739	133	0.731354	0.73135370161917
134	0.71934	0.71933980033865	135	0.707107	0.70710678118655
136	0.694658	0.694658370459	137	0.681998	0.6819983600625
138	0.669131	0.66913060635886	139	0.656059	0.65605902899051
140	0.642788	0.64278760968654	141	0.62932	0.62932039104984
142	0.615661	0.61566147532566	143	0.601815	0.60181502315205
144	0.587785	0.58778525229247	145	0.573576	0.57357643635105
146	0.559193	0.55919290347075	147	0.544639	0.54463903501503
148	0.529919	0.5299192642332	149	0.515038	0.51503807491005
150	0.5	0.5	151	0.48481	0.48480962024634

152	0.469472	0.46947156278589	153	0.45399	0.45399049973955
154	0.438371	0.43837114678908	155	0.422618	0.4226182617407
156	0.406737	0.4067366430758	157	0.390731	0.39073112848927
158	0.374607	0.37460659341591	159	0.358368	0.3583679495453
160	0.34202	0.34202014332567	161	0.325568	0.32556815445716
162	0.309017	0.30901699437495	163	0.292372	0.29237170472274
164	0.275637	0.275637355817	165	0.258819	0.25881904510252
166	0.241922	0.24192189559967	167	0.224951	0.22495105434387
168	0.207912	0.20791169081776	169	0.190809	0.19080899537654
170	0.173648	0.17364817766693	171	0.156434	0.15643446504023
172	0.139173	0.13917310096007	173	0.121869	0.12186934340515
174	0.104528	0.10452846326765	175	0.0871557	0.087155742747658
176	0.0697565	0.069756473744126	177	0.052336	0.052335956242944
178	0.0348995	0.034899496702501	179	0.0174524	0.017452406437283
180	-0	1.2246467991474E-16	181	-0.0174524	-0.017452406437283
182	-0.0348995	-0.034899496702501	183	-0.052336	-0.052335956242944
184	-0.0697565	-0.069756473744125	185	-0.0871557	-0.087155742747658
186	-0.104528	-0.10452846326765	187	-0.121869	-0.12186934340515
188	-0.139173	-0.13917310096007	189	-0.156434	-0.15643446504023
190	-0.173648	-0.17364817766693	191	-0.190809	-0.19080899537654
192	-0.207912	-0.20791169081776	193	-0.224951	-0.22495105434386
194	-0.241922	-0.24192189559967	195	-0.258819	-0.25881904510252
196	-0.275637	-0.275637355817	197	-0.292372	-0.29237170472274
198	-0.309017	-0.30901699437495	199	-0.325568	-0.32556815445716
200	-0.34202	-0.34202014332567	201	-0.358368	-0.3583679495453
202	-0.374607	-0.37460659341591	203	-0.390731	-0.39073112848927
204	-0.406737	-0.4067366430758	205	-0.422618	-0.4226182617407
206	-0.438371	-0.43837114678908	207	-0.45399	-0.45399049973955
208	-0.469472	-0.46947156278589	209	-0.48481	-0.48480962024634
210	-0.5	-0.5	211	-0.515038	-0.51503807491005
212	-0.529919	-0.5299192642332	213	-0.544639	-0.54463903501503
214	-0.559193	-0.55919290347075	215	-0.573576	-0.57357643635105
216	-0.587785	-0.58778525229247	217	-0.601815	-0.60181502315205
218	-0.615661	-0.61566147532566	219	-0.62932	-0.62932039104984
220	-0.642788	-0.64278760968654	221	-0.656059	-0.65605902899051
222	-0.669131	-0.66913060635886	223	-0.681998	-0.6819983600625
224	-0.694658	-0.694658370459	225	-0.707107	-0.70710678118655
226	-0.71934	-0.71933980033865	227	-0.731354	-0.73135370161917
228	-0.743145	-0.74314482547739	229	-0.75471	-0.75470958022277
230	-0.766044	-0.76604444311898	231	-0.777146	-0.77714596145697
232	-0.788011	-0.78801075360672	233	-0.798636	-0.79863551004729

234	-0.809017	-0.80901699437495	235	-0.819152	-0.81915204428899
236	-0.829038	-0.82903757255504	237	-0.838671	-0.83867056794542
238	-0.848048	-0.84804809615643	239	-0.857167	-0.85716730070211
240	-0.866025	-0.86602540378444	241	-0.87462	-0.8746197071394
242	-0.882948	-0.88294759285893	243	-0.891007	-0.89100652418837
244	-0.898794	-0.89879404629917	245	-0.906308	-0.90630778703665
246	-0.913545	-0.9135454576426	247	-0.920505	-0.92050485345244
248	-0.927184	-0.92718385456679	249	-0.93358	-0.9335804264972
250	-0.939693	-0.93969262078591	251	-0.945519	-0.94551857559932
252	-0.951057	-0.95105651629515	253	-0.956305	-0.95630475596304
254	-0.961262	-0.96126169593832	255	-0.965926	-0.96592582628907
256	-0.970296	-0.970295726276	257	-0.97437	-0.97437006478524
258	-0.978148	-0.97814760073381	259	-0.981627	-0.98162718344766
260	-0.984808	-0.98480775301221	261	-0.987688	-0.98768834059514
262	-0.990268	-0.99026806874157	263	-0.992546	-0.99254615164132
264	-0.994522	-0.99452189536827	265	-0.996195	-0.99619469809175
266	-0.997564	-0.99756405025982	267	-0.99863	-0.99862953475457
268	-0.999391	-0.9993908270191	269	-0.999848	-0.99984769515639
270	-1	-1	271	-0.999848	-0.99984769515639
272	-0.999391	-0.9993908270191	273	-0.99863	-0.99862953475457
274	-0.997564	-0.99756405025982	275	-0.996195	-0.99619469809175
276	-0.994522	-0.99452189536827	277	-0.992546	-0.99254615164132
278	-0.990268	-0.99026806874157	279	-0.987688	-0.98768834059514
280	-0.984808	-0.98480775301221	281	-0.981627	-0.98162718344766
282	-0.978148	-0.97814760073381	283	-0.97437	-0.97437006478524
284	-0.970296	-0.970295726276	285	-0.965926	-0.96592582628907
286	-0.961262	-0.96126169593832	287	-0.956305	-0.95630475596304
288	-0.951057	-0.95105651629515	289	-0.945519	-0.94551857559932
290	-0.939693	-0.93969262078591	291	-0.93358	-0.9335804264972
292	-0.927184	-0.92718385456679	293	-0.920505	-0.92050485345244
294	-0.913545	-0.9135454576426	295	-0.906308	-0.90630778703665
296	-0.898794	-0.89879404629917	297	-0.891007	-0.89100652418837
298	-0.882948	-0.88294759285893	299	-0.87462	-0.8746197071394
300	-0.866025	-0.86602540378444	301	-0.857167	-0.85716730070211
302	-0.848048	-0.84804809615643	303	-0.838671	-0.83867056794542
304	-0.829038	-0.82903757255504	305	-0.819152	-0.81915204428899
306	-0.809017	-0.80901699437495	307	-0.798636	-0.79863551004729
308	-0.788011	-0.78801075360672	309	-0.777146	-0.77714596145697
310	-0.766044	-0.76604444311898	311	-0.75471	-0.75470958022277
312	-0.743145	-0.74314482547739	313	-0.731354	-0.73135370161917
314	-0.71934	-0.71933980033865	315	-0.707107	-0.70710678118655

316	-0.694658	-0.694658370459	317	-0.681998	-0.6819983600625
318	-0.669131	-0.66913060635886	319	-0.656059	-0.65605902899051
320	-0.642788	-0.64278760968654	321	-0.62932	-0.62932039104984
322	-0.615661	-0.61566147532566	323	-0.601815	-0.60181502315205
324	-0.587785	-0.58778525229247	325	-0.573576	-0.57357643635105
326	-0.559193	-0.55919290347075	327	-0.544639	-0.54463903501503
328	-0.529919	-0.52991926423321	329	-0.515038	-0.51503807491005
330	-0.5	-0.5	331	-0.48481	-0.48480962024634
332	-0.469472	-0.46947156278589	333	-0.45399	-0.45399049973955
334	-0.438371	-0.43837114678908	335	-0.422618	-0.4226182617407
336	-0.406737	-0.4067366430758	337	-0.390731	-0.39073112848927
338	-0.374607	-0.37460659341591	339	-0.358368	-0.3583679495453
340	-0.34202	-0.34202014332567	341	-0.325568	-0.32556815445716
342	-0.309017	-0.30901699437495	343	-0.292372	-0.29237170472274
344	-0.275637	-0.275637355817	345	-0.258819	-0.25881904510252
346	-0.241922	-0.24192189559967	347	-0.224951	-0.22495105434387
348	-0.207912	-0.20791169081776	349	-0.190809	-0.19080899537654
350	-0.173648	-0.17364817766693	351	-0.156434	-0.15643446504023
352	-0.139173	-0.13917310096007	353	-0.121869	-0.12186934340515
354	-0.104528	-0.10452846326765	355	-0.0871557	-0.087155742747658
356	-0.0697565	-0.069756473744126	357	-0.052336	-0.052335956242943
358	-0.0348995	-0.034899496702501	359	-0.0174524	-0.017452406437284
360	0	-2.4492935982947E-16	361	0.0174524	0.017452406437283
362	0.0348995	0.0348994967025	363	0.052336	0.052335956242943
364	0.0697565	0.069756473744125	365	0.0871557	0.087155742747658
366	0.104528	0.10452846326765	367	0.121869	0.12186934340515
368	0.139173	0.13917310096006	369	0.156434	0.15643446504023
370	0.173648	0.17364817766693	371	0.190809	0.19080899537654
372	0.207912	0.20791169081776	373	0.224951	0.22495105434387
374	0.241922	0.24192189559967	375	0.258819	0.25881904510252
376	0.275637	0.275637355817	377	0.292372	0.29237170472274
378	0.309017	0.30901699437495	379	0.325568	0.32556815445716
380	0.34202	0.34202014332567	381	0.358368	0.3583679495453
382	0.374607	0.37460659341591	383	0.390731	0.39073112848927
384	0.406737	0.4067366430758	385	0.422618	0.4226182617407
386	0.438371	0.43837114678908	387	0.45399	0.45399049973955
388	0.469472	0.46947156278589	389	0.48481	0.48480962024634
390	0.5	0.5	391	0.515038	0.51503807491005
392	0.529919	0.5299192642332	393	0.544639	0.54463903501503
394	0.559193	0.55919290347075	395	0.573576	0.57357643635105
396	0.587785	0.58778525229247	397	0.601815	0.60181502315205

398	0.615661	0.61566147532566	399	0.62932	0.62932039104984
400	0.642788	0.64278760968654	401	0.656059	0.65605902899051
402	0.669131	0.66913060635886	403	0.681998	0.6819983600625
404	0.694658	0.694658370459	405	0.707107	0.70710678118655
406	0.71934	0.71933980033865	407	0.731354	0.73135370161917
408	0.743145	0.74314482547739	409	0.75471	0.75470958022277
410	0.766044	0.76604444311898	411	0.777146	0.77714596145697
412	0.788011	0.78801075360672	413	0.798636	0.79863551004729
414	0.809017	0.80901699437495	415	0.819152	0.81915204428899
416	0.829038	0.82903757255504	417	0.838671	0.83867056794542
418	0.848048	0.84804809615643	419	0.857167	0.85716730070211
420	0.866025	0.86602540378444	421	0.87462	0.8746197071394
422	0.882948	0.88294759285893	423	0.891007	0.89100652418837
424	0.898794	0.89879404629917	425	0.906308	0.90630778703665
426	0.913545	0.9135454576426	427	0.920505	0.92050485345244
428	0.927184	0.92718385456679	429	0.93358	0.9335804264972
430	0.939693	0.93969262078591	431	0.945519	0.94551857559932
432	0.951057	0.95105651629515	433	0.956305	0.95630475596304
434	0.961262	0.96126169593832	435	0.965926	0.96592582628907
436	0.970296	0.970295726276	437	0.97437	0.97437006478523
438	0.978148	0.97814760073381	439	0.981627	0.98162718344766
440	0.984808	0.98480775301221	441	0.987688	0.98768834059514
442	0.990268	0.99026806874157	443	0.992546	0.99254615164132
444	0.994522	0.99452189536827	445	0.996195	0.99619469809175
446	0.997564	0.99756405025982	447	0.99863	0.99862953475457
448	0.999391	0.9993908270191	449	0.999848	0.99984769515639
450	1	1	451	0.999848	0.99984769515639
452	0.999391	0.9993908270191	453	0.99863	0.99862953475457
454	0.997564	0.99756405025982	455	0.996195	0.99619469809175
456	0.994522	0.99452189536827	457	0.992546	0.99254615164132
458	0.990268	0.99026806874157	459	0.987688	0.98768834059514
460	0.984808	0.98480775301221	461	0.981627	0.98162718344766
462	0.978148	0.97814760073381	463	0.97437	0.97437006478524
464	0.970296	0.970295726276	465	0.965926	0.96592582628907
466	0.961262	0.96126169593832	467	0.956305	0.95630475596304
468	0.951057	0.95105651629515	469	0.945519	0.94551857559932
470	0.939693	0.93969262078591	471	0.93358	0.9335804264972
472	0.927184	0.92718385456679	473	0.920505	0.92050485345244
474	0.913545	0.9135454576426	475	0.906308	0.90630778703665
476	0.898794	0.89879404629917	477	0.891007	0.89100652418837
478	0.882948	0.88294759285893	479	0.87462	0.8746197071394



480	0.866025	0.86602540378444	481	0.857167	0.85716730070211
482	0.848048	0.84804809615643	483	0.838671	0.83867056794542
484	0.829038	0.82903757255504	485	0.819152	0.81915204428899
486	0.809017	0.80901699437495	487	0.798636	0.79863551004729
488	0.788011	0.78801075360672	489	0.777146	0.77714596145697
490	0.766044	0.76604444311898	491	0.75471	0.75470958022277
492	0.743145	0.74314482547739	493	0.731354	0.73135370161917
494	0.71934	0.71933980033865	495	0.707107	0.70710678118655
496	0.694658	0.694658370459	497	0.681998	0.6819983600625
498	0.669131	0.66913060635886	499	0.656059	0.65605902899051
500	0.642788	0.64278760968654	501	0.62932	0.62932039104984
502	0.615661	0.61566147532566	503	0.601815	0.60181502315205
504	0.587785	0.58778525229247	505	0.573576	0.57357643635105
506	0.559193	0.55919290347075	507	0.544639	0.54463903501503
508	0.529919	0.5299192642332	509	0.515038	0.51503807491005
510	0.5	0.5	511	0.48481	0.48480962024634
512	0.469472	0.46947156278589	513	0.45399	0.45399049973955
514	0.438371	0.43837114678908	515	0.422618	0.4226182617407
516	0.406737	0.4067366430758	517	0.390731	0.39073112848927
518	0.374607	0.37460659341591	519	0.358368	0.3583679495453
520	0.34202	0.34202014332567	521	0.325568	0.32556815445716
522	0.309017	0.30901699437495	523	0.292372	0.29237170472274
524	0.275637	0.275637355817	525	0.258819	0.25881904510252
526	0.241922	0.24192189559967	527	0.224951	0.22495105434387
528	0.207912	0.20791169081776	529	0.190809	0.19080899537654
530	0.173648	0.17364817766693	531	0.156434	0.15643446504023
532	0.139173	0.13917310096007	533	0.121869	0.12186934340515
534	0.104528	0.10452846326765	535	0.0871557	0.087155742747658
536	0.0697565	0.069756473744125	537	0.052336	0.052335956242944
538	0.0348995	0.034899496702501	539	0.0174524	0.017452406437285
540	-0	3.6739403974421E-16	541	-0.0174524	-0.017452406437284
542	-0.0348995	-0.0348994967025	543	-0.052336	-0.052335956242944
544	-0.0697565	-0.069756473744124	545	-0.0871557	-0.087155742747658
546	-0.104528	-0.10452846326765	547	-0.121869	-0.12186934340515
548	-0.139173	-0.13917310096007	549	-0.156434	-0.15643446504023
550	-0.173648	-0.17364817766693	551	-0.190809	-0.19080899537654
552	-0.207912	-0.20791169081776	553	-0.224951	-0.22495105434386
554	-0.241922	-0.24192189559967	555	-0.258819	-0.25881904510252
556	-0.275637	-0.275637355817	557	-0.292372	-0.29237170472274
558	-0.309017	-0.30901699437495	559	-0.325568	-0.32556815445716
560	-0.34202	-0.34202014332567	561	-0.358368	-0.3583679495453

562	-0.374607	-0.37460659341591	563	-0.390731	-0.39073112848927
564	-0.406737	-0.4067366430758	565	-0.422618	-0.4226182617407
566	-0.438371	-0.43837114678908	567	-0.45399	-0.45399049973955
568	-0.469472	-0.46947156278589	569	-0.48481	-0.48480962024634
570	-0.5	-0.5	571	-0.515038	-0.51503807491005
572	-0.529919	-0.5299192642332	573	-0.544639	-0.54463903501503
574	-0.559193	-0.55919290347075	575	-0.573576	-0.57357643635105
576	-0.587785	-0.58778525229247	577	-0.601815	-0.60181502315205
578	-0.615661	-0.61566147532566	579	-0.62932	-0.62932039104984
580	-0.642788	-0.64278760968654	581	-0.656059	-0.65605902899051
582	-0.669131	-0.66913060635886	583	-0.681998	-0.6819983600625
584	-0.694658	-0.694658370459	585	-0.707107	-0.70710678118655
586	-0.71934	-0.71933980033865	587	-0.731354	-0.73135370161917
588	-0.743145	-0.74314482547739	589	-0.75471	-0.75470958022277
590	-0.766044	-0.76604444311898	591	-0.777146	-0.77714596145697
592	-0.788011	-0.78801075360672	593	-0.798636	-0.79863551004729
594	-0.809017	-0.80901699437495	595	-0.819152	-0.81915204428899
596	-0.829038	-0.82903757255504	597	-0.838671	-0.83867056794542
598	-0.848048	-0.84804809615643	599	-0.857167	-0.85716730070211
600	-0.866025	-0.86602540378444	601	-0.87462	-0.8746197071394
602	-0.882948	-0.88294759285893	603	-0.891007	-0.89100652418837
604	-0.898794	-0.89879404629917	605	-0.906308	-0.90630778703665
606	-0.913545	-0.9135454576426	607	-0.920505	-0.92050485345244
608	-0.927184	-0.92718385456679	609	-0.93358	-0.9335804264972
610	-0.939693	-0.93969262078591	611	-0.945519	-0.94551857559932
612	-0.951057	-0.95105651629515	613	-0.956305	-0.95630475596303
614	-0.961262	-0.96126169593832	615	-0.965926	-0.96592582628907
616	-0.970296	-0.970295726276	617	-0.97437	-0.97437006478524
618	-0.978148	-0.97814760073381	619	-0.981627	-0.98162718344766
620	-0.984808	-0.98480775301221	621	-0.987688	-0.98768834059514
622	-0.990268	-0.99026806874157	623	-0.992546	-0.99254615164132
624	-0.994522	-0.99452189536827	625	-0.996195	-0.99619469809175
626	-0.997564	-0.99756405025982	627	-0.99863	-0.99862953475457
628	-0.999391	-0.9993908270191	629	-0.999848	-0.99984769515639
630	-1	-1	631	-0.999848	-0.99984769515639
632	-0.999391	-0.9993908270191	633	-0.99863	-0.99862953475457
634	-0.997564	-0.99756405025982	635	-0.996195	-0.99619469809175
636	-0.994522	-0.99452189536827	637	-0.992546	-0.99254615164132
638	-0.990268	-0.99026806874157	639	-0.987688	-0.98768834059514
640	-0.984808	-0.98480775301221	641	-0.981627	-0.98162718344766
642	-0.978148	-0.97814760073381	643	-0.97437	-0.97437006478524



644	-0.970296	-0.970295726276	645	-0.965926	-0.96592582628907
646	-0.961262	-0.96126169593832	647	-0.956305	-0.95630475596304
648	-0.951057	-0.95105651629515	649	-0.945519	-0.94551857559932
650	-0.939693	-0.93969262078591	651	-0.93358	-0.9335804264972
652	-0.927184	-0.92718385456679	653	-0.920505	-0.92050485345244
654	-0.913545	-0.9135454576426	655	-0.906308	-0.90630778703665
656	-0.898794	-0.89879404629917	657	-0.891007	-0.89100652418837
658	-0.882948	-0.88294759285893	659	-0.87462	-0.8746197071394
660	-0.866025	-0.86602540378444	661	-0.857167	-0.85716730070211
662	-0.848048	-0.84804809615643	663	-0.838671	-0.83867056794542
664	-0.829038	-0.82903757255504	665	-0.819152	-0.81915204428899
666	-0.809017	-0.80901699437495	667	-0.798636	-0.79863551004729
668	-0.788011	-0.78801075360672	669	-0.777146	-0.77714596145697
670	-0.766044	-0.76604444311898	671	-0.75471	-0.75470958022277
672	-0.743145	-0.74314482547739	673	-0.731354	-0.73135370161917
674	-0.71934	-0.71933980033865	675	-0.707107	-0.70710678118655
676	-0.694658	-0.694658370459	677	-0.681998	-0.6819983600625
678	-0.669131	-0.66913060635886	679	-0.656059	-0.65605902899051
680	-0.642788	-0.64278760968654	681	-0.62932	-0.62932039104984
682	-0.615661	-0.61566147532566	683	-0.601815	-0.60181502315205
684	-0.587785	-0.58778525229247	685	-0.573576	-0.57357643635105
686	-0.559193	-0.55919290347075	687	-0.544639	-0.54463903501503
688	-0.529919	-0.5299192642332	689	-0.515038	-0.51503807491005
690	-0.5	-0.5	691	-0.48481	-0.48480962024634
692	-0.469472	-0.46947156278589	693	-0.45399	-0.45399049973955
694	-0.438371	-0.43837114678908	695	-0.422618	-0.4226182617407
696	-0.406737	-0.4067366430758	697	-0.390731	-0.39073112848927
698	-0.374607	-0.37460659341591	699	-0.358368	-0.3583679495453
700	-0.34202	-0.34202014332567	701	-0.325568	-0.32556815445716
702	-0.309017	-0.30901699437495	703	-0.292372	-0.29237170472274
704	-0.275637	-0.275637355817	705	-0.258819	-0.25881904510252
706	-0.241922	-0.24192189559967	707	-0.224951	-0.22495105434387
708	-0.207912	-0.20791169081776	709	-0.190809	-0.19080899537654
710	-0.173648	-0.17364817766693	711	-0.156434	-0.15643446504023
712	-0.139173	-0.13917310096007	713	-0.121869	-0.12186934340515
714	-0.104528	-0.10452846326765	715	-0.0871557	-0.087155742747659
716	-0.0697565	-0.069756473744125	717	-0.052336	-0.052335956242945
718	-0.0348995	-0.034899496702501	719	-0.0174524	-0.017452406437285
720	0	-4.8985871965894E-16	721	0.0174524	0.017452406437284
722	0.0348995	0.0348994967025	723	0.052336	0.052335956242944
724	0.0697565	0.069756473744124	725	0.0871557	0.087155742747658

726	0.104528	0.10452846326765	727	0.121869	0.12186934340515
728	0.139173	0.13917310096007	729	0.156434	0.15643446504023
730	0.173648	0.17364817766693	731	0.190809	0.19080899537654
732	0.207912	0.20791169081776	733	0.224951	0.22495105434386
734	0.241922	0.24192189559967	735	0.258819	0.25881904510252
736	0.275637	0.275637355817	737	0.292372	0.29237170472274
738	0.309017	0.30901699437495	739	0.325568	0.32556815445716
740	0.34202	0.34202014332567	741	0.358368	0.3583679495453
742	0.374607	0.37460659341591	743	0.390731	0.39073112848927
744	0.406737	0.4067366430758	745	0.422618	0.4226182617407
746	0.438371	0.43837114678908	747	0.45399	0.45399049973955
748	0.469472	0.46947156278589	749	0.48481	0.48480962024634
750	0.5	0.5	751	0.515038	0.51503807491005
752	0.529919	0.52991926423321	753	0.544639	0.54463903501503
754	0.559193	0.55919290347075	755	0.573576	0.57357643635105
756	0.587785	0.58778525229247	757	0.601815	0.60181502315205
758	0.615661	0.61566147532566	759	0.62932	0.62932039104984
760	0.642788	0.64278760968654	761	0.656059	0.65605902899051
762	0.669131	0.66913060635886	763	0.681998	0.6819983600625
764	0.694658	0.694658370459	765	0.707107	0.70710678118655
766	0.71934	0.71933980033865	767	0.731354	0.73135370161917
768	0.743145	0.74314482547739	769	0.75471	0.75470958022277
770	0.766044	0.76604444311898	771	0.777146	0.77714596145697
772	0.788011	0.78801075360672	773	0.798636	0.79863551004729
774	0.809017	0.80901699437495	775	0.819152	0.81915204428899
776	0.829038	0.82903757255504	777	0.838671	0.83867056794542
778	0.848048	0.84804809615643	779	0.857167	0.85716730070211
780	0.866025	0.86602540378444	781	0.87462	0.8746197071394
782	0.882948	0.88294759285893	783	0.891007	0.89100652418837
784	0.898794	0.89879404629917	785	0.906308	0.90630778703665
786	0.913545	0.9135454576426	787	0.920505	0.92050485345244
788	0.927184	0.92718385456679	789	0.93358	0.9335804264972
790	0.939693	0.93969262078591	791	0.945519	0.94551857559932
792	0.951057	0.95105651629515	793	0.956305	0.95630475596304
794	0.961262	0.96126169593832	795	0.965926	0.96592582628907
796	0.970296	0.970295726276	797	0.97437	0.97437006478524
798	0.978148	0.97814760073381	799	0.981627	0.98162718344766
800	0.984808	0.98480775301221	801	0.987688	0.98768834059514
802	0.990268	0.99026806874157	803	0.992546	0.99254615164132
804	0.994522	0.99452189536827	805	0.996195	0.99619469809175
806	0.997564	0.99756405025982	807	0.99863	0.99862953475457

808	0.999391	0.9993908270191	809	0.999848	0.99984769515639
810	1	1	811	0.999848	0.99984769515639
812	0.999391	0.9993908270191	813	0.99863	0.99862953475457
814	0.997564	0.99756405025982	815	0.996195	0.99619469809175
816	0.994522	0.99452189536827	817	0.992546	0.99254615164132
818	0.990268	0.99026806874157	819	0.987688	0.98768834059514
820	0.984808	0.98480775301221	821	0.981627	0.98162718344766
822	0.978148	0.97814760073381	823	0.97437	0.97437006478524
824	0.970296	0.970295726276	825	0.965926	0.96592582628907
826	0.961262	0.96126169593832	827	0.956305	0.95630475596304
828	0.951057	0.95105651629515	829	0.945519	0.94551857559932
830	0.939693	0.93969262078591	831	0.93358	0.9335804264972
832	0.927184	0.92718385456679	833	0.920505	0.92050485345244
834	0.913545	0.9135454576426	835	0.906308	0.90630778703665
836	0.898794	0.89879404629917	837	0.891007	0.89100652418837
838	0.882948	0.88294759285893	839	0.87462	0.8746197071394
840	0.866025	0.86602540378444	841	0.857167	0.85716730070211
842	0.848048	0.84804809615643	843	0.838671	0.83867056794542
844	0.829038	0.82903757255504	845	0.819152	0.81915204428899
846	0.809017	0.80901699437495	847	0.798636	0.79863551004729
848	0.788011	0.78801075360672	849	0.777146	0.77714596145697
850	0.766044	0.76604444311898	851	0.75471	0.75470958022277
852	0.743145	0.74314482547739	853	0.731354	0.73135370161917
854	0.71934	0.71933980033865	855	0.707107	0.70710678118655
856	0.694658	0.694658370459	857	0.681998	0.6819983600625
858	0.669131	0.66913060635886	859	0.656059	0.65605902899051
860	0.642788	0.64278760968654	861	0.62932	0.62932039104984
862	0.615661	0.61566147532566	863	0.601815	0.60181502315205
864	0.587785	0.58778525229247	865	0.573576	0.57357643635105
866	0.559193	0.55919290347075	867	0.544639	0.54463903501503
868	0.529919	0.52991926423321	869	0.515038	0.51503807491005
870	0.5	0.5	871	0.48481	0.48480962024634
872	0.469472	0.46947156278589	873	0.45399	0.45399049973955
874	0.438371	0.43837114678908	875	0.422618	0.4226182617407
876	0.406737	0.4067366430758	877	0.390731	0.39073112848928
878	0.374607	0.37460659341591	879	0.358368	0.3583679495453
880	0.34202	0.34202014332567	881	0.325568	0.32556815445716
882	0.309017	0.30901699437495	883	0.292372	0.29237170472274
884	0.275637	0.275637355817	885	0.258819	0.25881904510252
886	0.241922	0.24192189559967	887	0.224951	0.22495105434386
888	0.207912	0.20791169081776	889	0.190809	0.19080899537654

890	0.173648	0.17364817766693	891	0.156434	0.15643446504023
892	0.139173	0.13917310096007	893	0.121869	0.12186934340515
894	0.104528	0.10452846326765	895	0.0871557	0.087155742747659
896	0.0697565	0.069756473744125	897	0.052336	0.052335956242945
898	0.0348995	0.034899496702501	899	0.0174524	0.017452406437285
900	-0	6.1232339957368E-16	901	-0.0174524	-0.017452406437284
902	-0.0348995	-0.0348994967025	903	-0.052336	-0.052335956242944
904	-0.0697565	-0.069756473744124	905	-0.0871557	-0.087155742747657
906	-0.104528	-0.10452846326765	907	-0.121869	-0.12186934340515
908	-0.139173	-0.13917310096007	909	-0.156434	-0.15643446504023
910	-0.173648	-0.17364817766693	911	-0.190809	-0.19080899537654
912	-0.207912	-0.20791169081776	913	-0.224951	-0.22495105434386
914	-0.241922	-0.24192189559967	915	-0.258819	-0.25881904510252
916	-0.275637	-0.275637355817	917	-0.292372	-0.29237170472274
918	-0.309017	-0.30901699437495	919	-0.325568	-0.32556815445715
920	-0.34202	-0.34202014332567	921	-0.358368	-0.3583679495453
922	-0.374607	-0.37460659341591	923	-0.390731	-0.39073112848927
924	-0.406737	-0.4067366430758	925	-0.422618	-0.4226182617407
926	-0.438371	-0.43837114678908	927	-0.45399	-0.45399049973955
928	-0.469472	-0.46947156278589	929	-0.48481	-0.48480962024634
930	-0.5	-0.5	931	-0.515038	-0.51503807491006
932	-0.529919	-0.52991926423321	933	-0.544639	-0.54463903501503
934	-0.559193	-0.55919290347075	935	-0.573576	-0.57357643635105
936	-0.587785	-0.58778525229247	937	-0.601815	-0.60181502315205
938	-0.615661	-0.61566147532566	939	-0.62932	-0.62932039104984
940	-0.642788	-0.64278760968654	941	-0.656059	-0.65605902899051
942	-0.669131	-0.66913060635886	943	-0.681998	-0.6819983600625
944	-0.694658	-0.694658370459	945	-0.707107	-0.70710678118655
946	-0.71934	-0.71933980033865	947	-0.731354	-0.73135370161917
948	-0.743145	-0.74314482547739	949	-0.75471	-0.75470958022277
950	-0.766044	-0.76604444311898	951	-0.777146	-0.77714596145697
952	-0.788011	-0.78801075360672	953	-0.798636	-0.79863551004729
954	-0.809017	-0.80901699437495	955	-0.819152	-0.81915204428899
956	-0.829038	-0.82903757255504	957	-0.838671	-0.83867056794542
958	-0.848048	-0.84804809615642	959	-0.857167	-0.85716730070211
960	-0.866025	-0.86602540378444	961	-0.87462	-0.87461970713939
962	-0.882948	-0.88294759285893	963	-0.891007	-0.89100652418837
964	-0.898794	-0.89879404629917	965	-0.906308	-0.90630778703665
966	-0.913545	-0.9135454576426	967	-0.920505	-0.92050485345244
968	-0.927184	-0.92718385456679	969	-0.93358	-0.9335804264972
970	-0.939693	-0.93969262078591	971	-0.945519	-0.94551857559932

972	-0.951057	-0.95105651629515	973	-0.956305	-0.95630475596304
974	-0.961262	-0.96126169593832	975	-0.965926	-0.96592582628907
976	-0.970296	-0.970295726276	977	-0.97437	-0.97437006478524
978	-0.978148	-0.97814760073381	979	-0.981627	-0.98162718344766
980	-0.984808	-0.98480775301221	981	-0.987688	-0.98768834059514
982	-0.990268	-0.99026806874157	983	-0.992546	-0.99254615164132
984	-0.994522	-0.99452189536827	985	-0.996195	-0.99619469809175
986	-0.997564	-0.99756405025982	987	-0.99863	-0.99862953475457
988	-0.999391	-0.9993908270191	989	-0.999848	-0.99984769515639
990	-1	-1	991	-0.999848	-0.99984769515639
992	-0.999391	-0.9993908270191	993	-0.99863	-0.99862953475457
994	-0.997564	-0.99756405025982	995	-0.996195	-0.99619469809175
996	-0.994522	-0.99452189536827	997	-0.992546	-0.99254615164132
998	-0.990268	-0.99026806874157	999	-0.987688	-0.98768834059514
1000	-0.984808	-0.98480775301221	1001	-0.981627	-0.98162718344766