

Counterclockwise from Zero									
Multiple of $\pi/12$	Radians	Degrees	sin	cos	tan	csc	sec	cot	
0	0	0.00000	0	0.00000	1.00000	0.00000	undefined	1.00000	undefined
1	$\pi/12$	0.26180	15	0.25882	0.96593	0.26795	3.86370	1.03528	3.73205
2	$\pi/6$	0.52360	30	0.50000	0.86603	0.57735	2.00000	1.15470	1.73205
3	$\pi/4$	0.78540	45	0.70711	0.70711	1.00000	1.41421	1.41421	1.00000
4	$\pi/3$	1.04720	60	0.86603	0.50000	1.73205	1.15470	2.00000	0.57735
5	$5\pi/12$	1.30900	75	0.96593	0.25882	3.73205	1.03528	3.86370	0.26795
6	$\pi/2$	1.57080	90	1.00000	0.00000	undefined	1.00000	undefined	0.00000
7	$7\pi/12$	1.83260	105	0.96593	-0.25882	-3.73205	1.03528	-3.86370	-0.26795
8	$2\pi/3$	2.09440	120	0.86603	-0.50000	-1.73205	1.15470	-2.00000	-0.57735
9	$3\pi/4$	2.35619	135	0.70711	-0.70711	-1.00000	1.41421	-1.41421	-1.00000
10	$5\pi/6$	2.61799	150	0.50000	-0.86603	-0.57735	2.00000	-1.15470	-1.73205
11	$11\pi/12$	2.87979	165	0.25882	-0.96593	-0.26795	3.86370	-1.03528	-3.73205
12	π	3.14159	180	0.00000	-1.00000	0.00000	undefined	-1.00000	undefined
13	$13\pi/12$	3.40339	195	-0.25882	-0.96593	0.26795	-3.86370	-1.03528	3.73205
14	$7\pi/6$	3.66519	210	-0.50000	-0.86603	0.57735	-2.00000	-1.15470	1.73205
15	$5\pi/4$	3.92699	225	-0.70711	-0.70711	1.00000	-1.41421	-1.41421	1.00000
16	$4\pi/3$	4.18879	240	-0.86603	-0.50000	1.73205	-1.15470	-2.00000	0.57735
17	$17\pi/12$	4.45059	255	-0.96593	-0.25882	3.73205	-1.03528	-3.86370	0.26795
18	$3\pi/2$	4.71239	270	-1.00000	0.00000	undefined	-1.00000	undefined	0.00000
19	$19\pi/12$	4.97419	285	-0.96593	0.25882	-3.73205	-1.03528	3.86370	-0.26795
20	$5\pi/3$	5.23599	300	-0.86603	0.50000	-1.73205	-1.15470	2.00000	-0.57735
21	$7\pi/4$	5.49779	315	-0.70711	0.70711	-1.00000	-1.41421	1.41421	-1.00000
22	$11\pi/6$	5.75959	330	-0.50000	0.86603	-0.57735	-2.00000	1.15470	-1.73205
23	$23\pi/12$	6.02139	345	-0.25882	0.96593	-0.26795	-3.86370	1.03528	-3.73205
24	2π	6.28319	360	0.00000	1.00000	0.00000	undefined	1.00000	undefined
Clockwise from Zero									
Multiple of $\pi/12$	Radians	Degrees	sin	cos	tan	csc	sec	cot	
0	0	0.00000	0	0.00000	1.00000	0.00000	undefined	1.00000	undefined
-1	$-\pi/12$	-0.26180	-15	-0.25882	0.96593	-0.26795	-3.86370	1.03528	-3.73205
-2	$-\pi/6$	-0.52360	-30	-0.50000	0.86603	-0.57735	-2.00000	1.15470	-1.73205
-3	$-\pi/4$	-0.78540	-45	-0.70711	0.70711	-1.00000	-1.41421	1.41421	-1.00000
-4	$-\pi/3$	-1.04720	-60	-0.86603	0.50000	-1.73205	-1.15470	2.00000	-0.57735
-5	$-5\pi/12$	-1.30900	-75	-0.96593	0.25882	-3.73205	-1.03528	3.86370	-0.26795
-6	$-\pi/2$	-1.57080	-90	-1.00000	0.00000	undefined	-1.00000	undefined	0.00000
-7	$-7\pi/12$	-1.83260	-105	-0.96593	-0.25882	3.73205	-1.03528	-3.86370	0.26795
-8	$-2\pi/3$	-2.09440	-120	-0.86603	-0.50000	1.73205	-1.15470	-2.00000	0.57735
-9	$-3\pi/4$	-2.35619	-135	-0.70711	-0.70711	1.00000	-1.41421	-1.41421	1.00000
-10	$-5\pi/6$	-2.61799	-150	-0.50000	-0.86603	0.57735	-2.00000	-1.15470	1.73205
-11	$-11\pi/12$	-2.87979	-165	-0.25882	-0.96593	0.26795	-3.86370	-1.03528	3.73205
-12	$-\pi$	-3.14159	-180	0.00000	-1.00000	0.00000	undefined	-1.00000	undefined
-13	$-13\pi/12$	-3.40339	-195	0.25882	-0.96593	-0.26795	3.86370	-1.03528	-3.73205
-14	$-7\pi/6$	-3.66519	-210	0.50000	-0.86603	-0.57735	2.00000	-1.15470	-1.73205
-15	$-5\pi/4$	-3.92699	-225	0.70711	-0.70711	-1.00000	1.41421	-1.41421	-1.00000
-16	$-4\pi/3$	-4.18879	-240	0.86603	-0.50000	-1.73205	1.15470	-2.00000	-0.57735
-17	$-17\pi/12$	-4.45059	-255	0.96593	-0.25882	-3.73205	1.03528	-3.86370	-0.26795
-18	$-3\pi/2$	-4.71239	-270	1.00000	0.00000	undefined	1.00000	undefined	0.00000
-19	$-19\pi/12$	-4.97419	-285	0.96593	0.25882	3.73205	1.03528	3.86370	0.26795
-20	$-5\pi/3$	-5.23599	-300	0.86603	0.50000	1.73205	1.15470	2.00000	0.57735
-21	$-7\pi/4$	-5.49779	-315	0.70711	0.70711	1.00000	1.41421	1.41421	1.00000
-22	$-11\pi/6$	-5.75959	-330	0.50000	0.86603	0.57735	2.00000	1.15470	1.73205
-23	$-23\pi/12$	-6.02139	-345	0.25882	0.96593	0.26795	3.86370	1.03528	3.73205
-24	-2π	-6.28319	-360	0.00000	1.00000	0.00000	undefined	1.00000	undefined