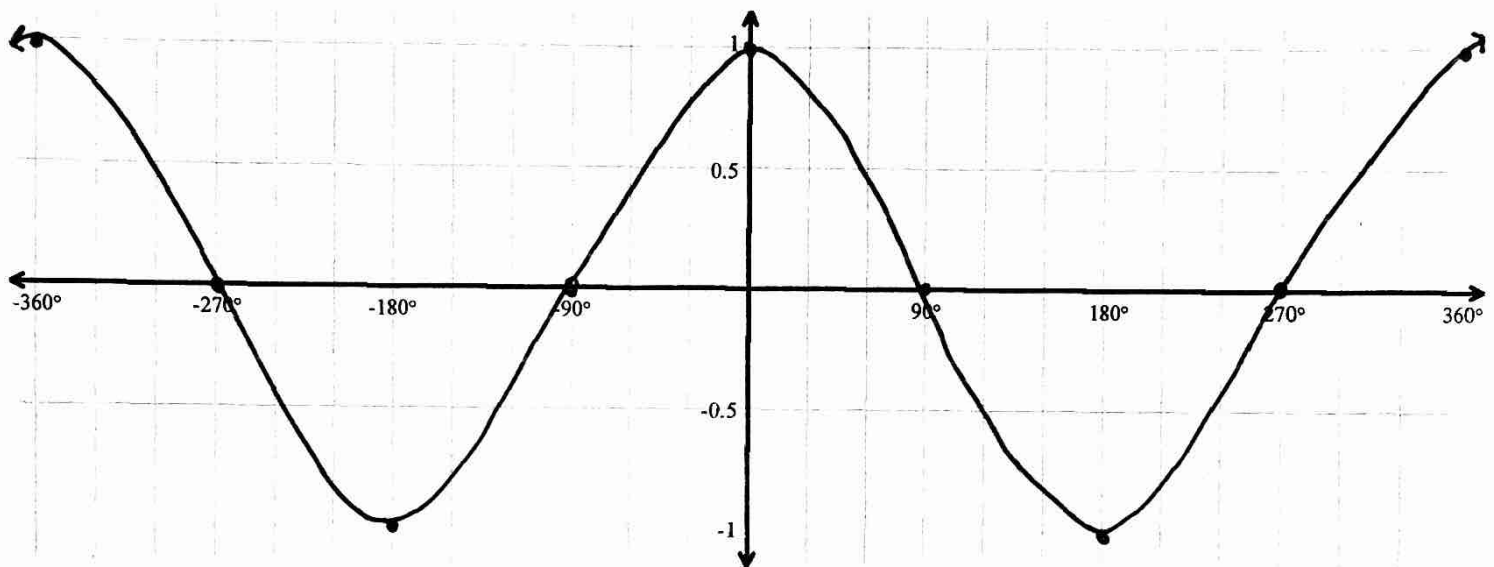


Complete the table with the output being the x -coordinate around the Unit Circle.

x	0	$\pi/6$	$\pi/4$	$\pi/3$	$\pi/2$	$2\pi/3$	$3\pi/4$	$5\pi/6$	π	$7\pi/6$	$5\pi/4$	$4\pi/3$	$3\pi/2$	$5\pi/3$	$7\pi/4$	$11\pi/6$	2π
$g(x) = \cos x$	1	0.866	0.707	0.5	0	-0.5	-0.707	-0.87	-1	-0.87	-0.71	-0.5	0	0.5	0.71	0.87	1

Using the table, plot the points and connect them. Extend your graph to the left to fill the entire grid.



What is the domain of $g(x) = \cos x$?

$$(-\infty, \infty)$$

What is the range of $g(x) = \cos x$?

$$[-1, 1]$$

What is the y -intercept?

$$(0, 1)$$

Where does the graph of $g(x) = \cos x$ begin? Where does it go from there?

up \rightarrow zero \rightarrow down \rightarrow zero \rightarrow up

What is the amplitude of $g(x) = \cos x$?

$$a = 1$$

What is the period of $g(x) = \cos x$?

$$360^\circ / 2\pi$$

What is the equation of the axis of $g(x) = \cos x$?

$$y = 0$$

Now label your table and your graph with radians!