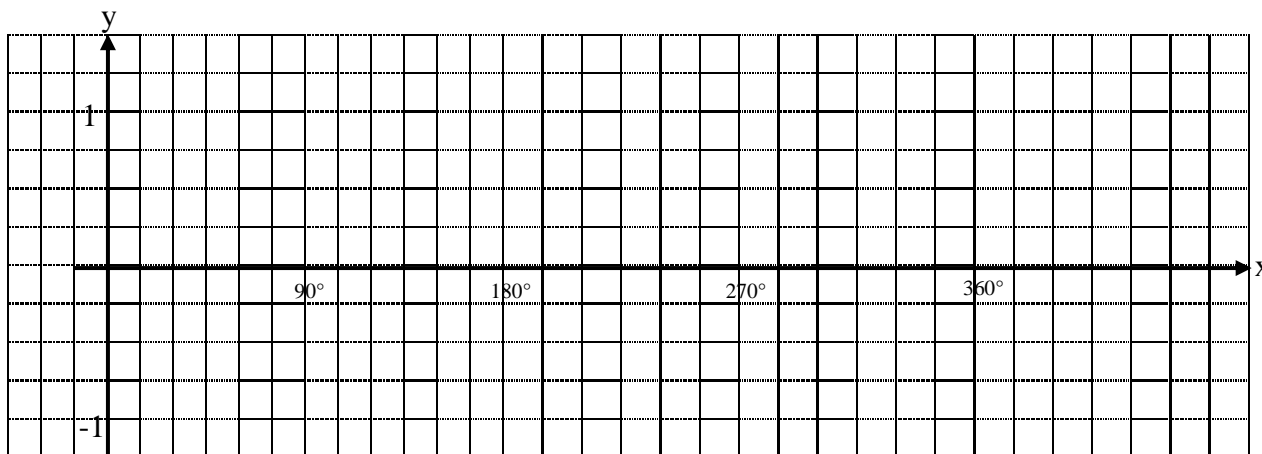


Graphing $f(x) = \sin x$ and $f(x) = \cos x$

Complete the following table of values for $f(x) = \sin x$ and $f(x) = \cos x$ then plot each on the grid below.

x	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°	360°
decimal value of $f(x) = \sin x$													
decimal value of $f(x) = \cos x$													



For the sine function:

For the cosine function:

What is the period of the graph?	What is the period of the graph?
What is the amplitude of the graph?	What is the amplitude of the graph?
What are the x - intercepts?	What are the x - intercepts?
What is the y - intercept?	What is the y - intercept?
What is the axis of the curve?	What is the axis of the curve?
What are the max and min values?	What are the max and min values?
What is the domain? What is the range?	What is the domain? What is the range?
When is the graph increasing?	When is the graph increasing?
When is the graph decreasing?	When is the graph decreasing?
Explain why this graph is a function	Explain why this graph is a function

THINKING: Compare the graphs of $y = \sin x$ and $y = \cos x$. How are they the same? How are they different?