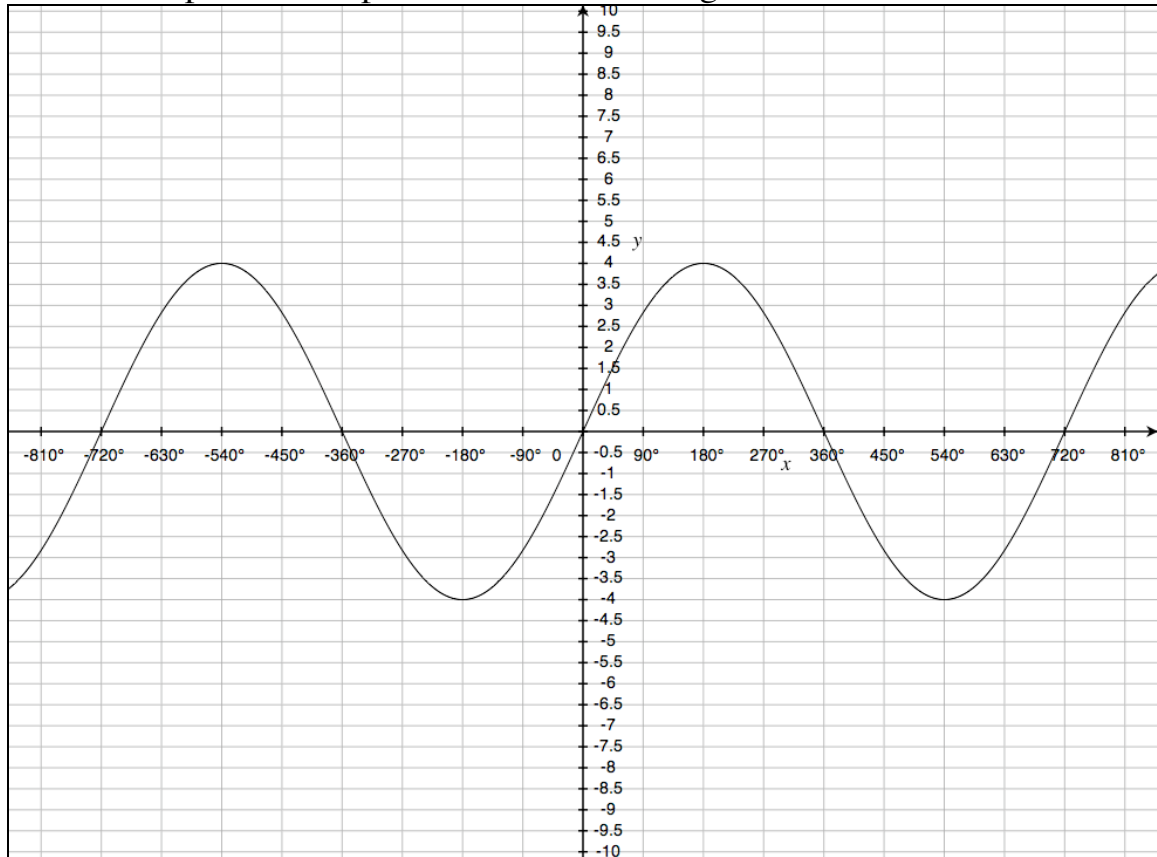


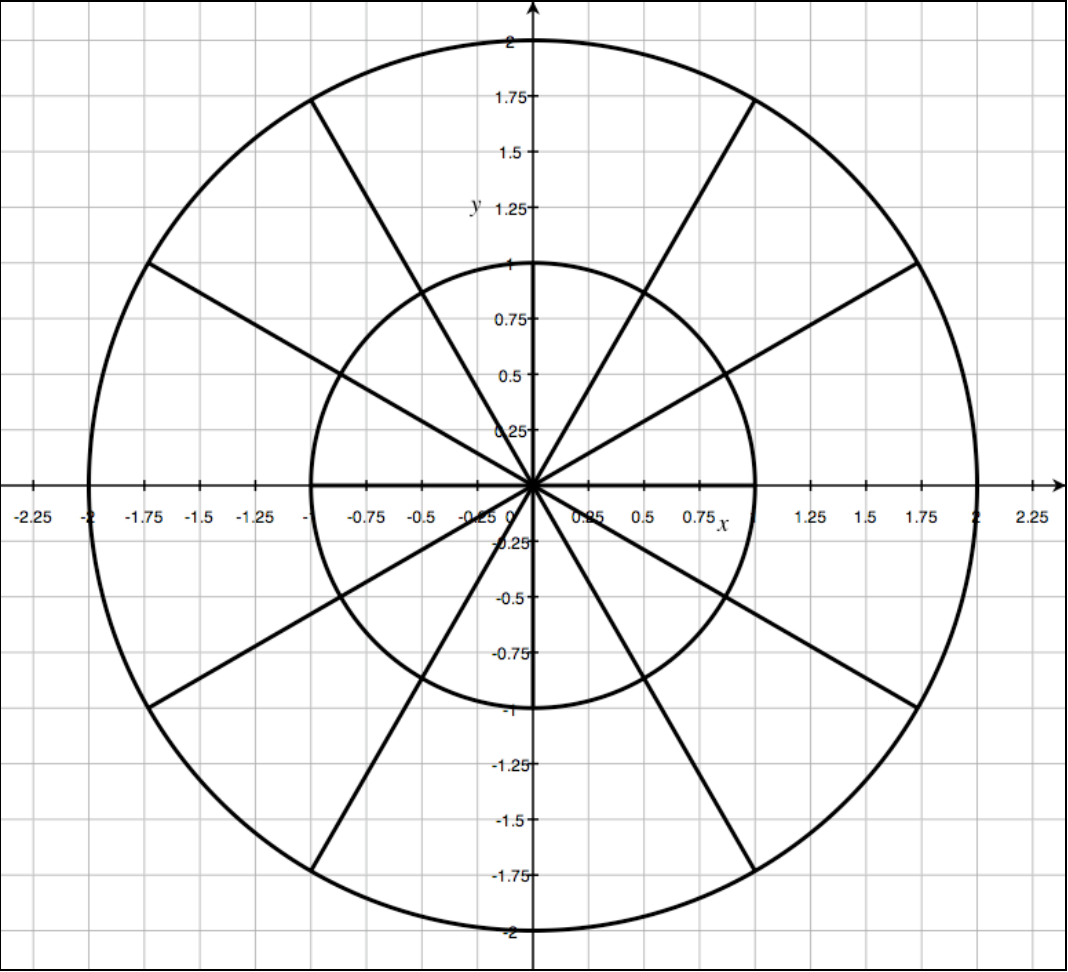
Precalc – Warm Up – 12/7/10

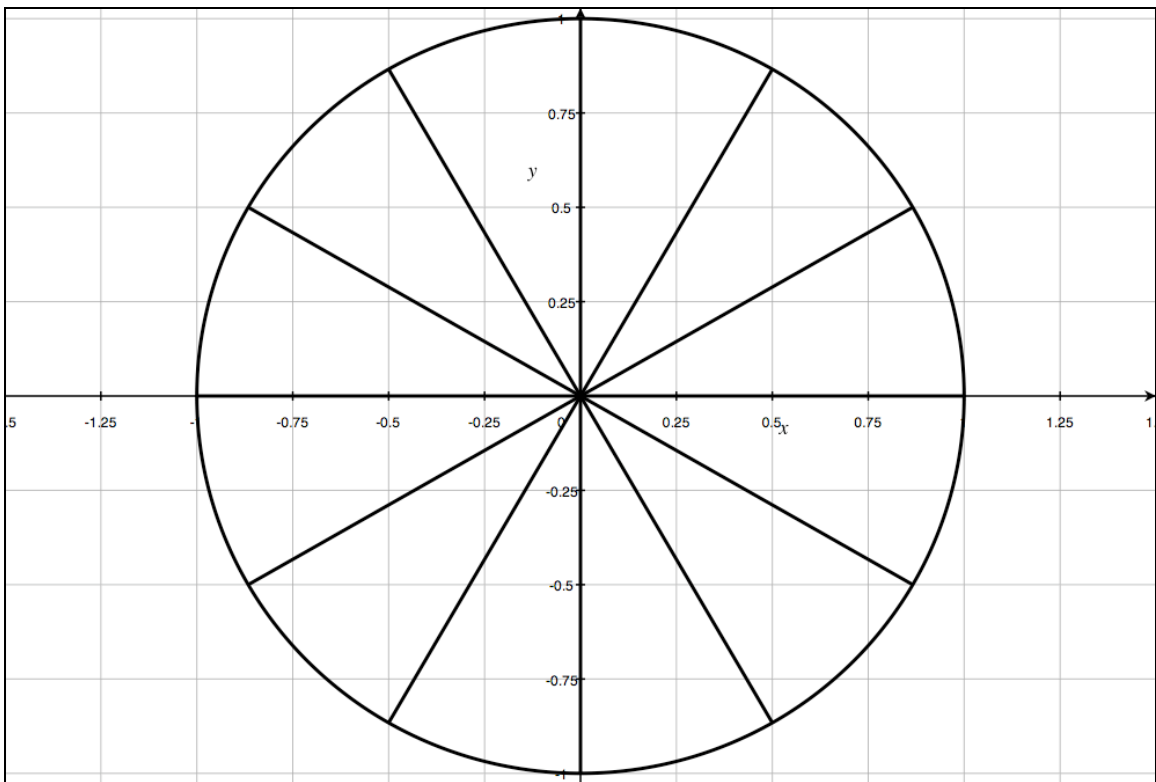
Name: _____

Period: _____

- 1) Find the amplitude and period for the following function.







	$30^\circ \quad \left(\frac{\pi}{6}\right)$	$45^\circ \quad \left(\frac{\pi}{4}\right)$	$60^\circ \quad \left(\frac{\pi}{3}\right)$
$\sin \theta =$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
$\cos \theta =$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
$\tan \theta =$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$

Precalc – Equations of Periodic Functions – 12/7/10

Name: _____ Period: _____

Students will be able to identify the period and amplitude of a periodic function when given an equation.

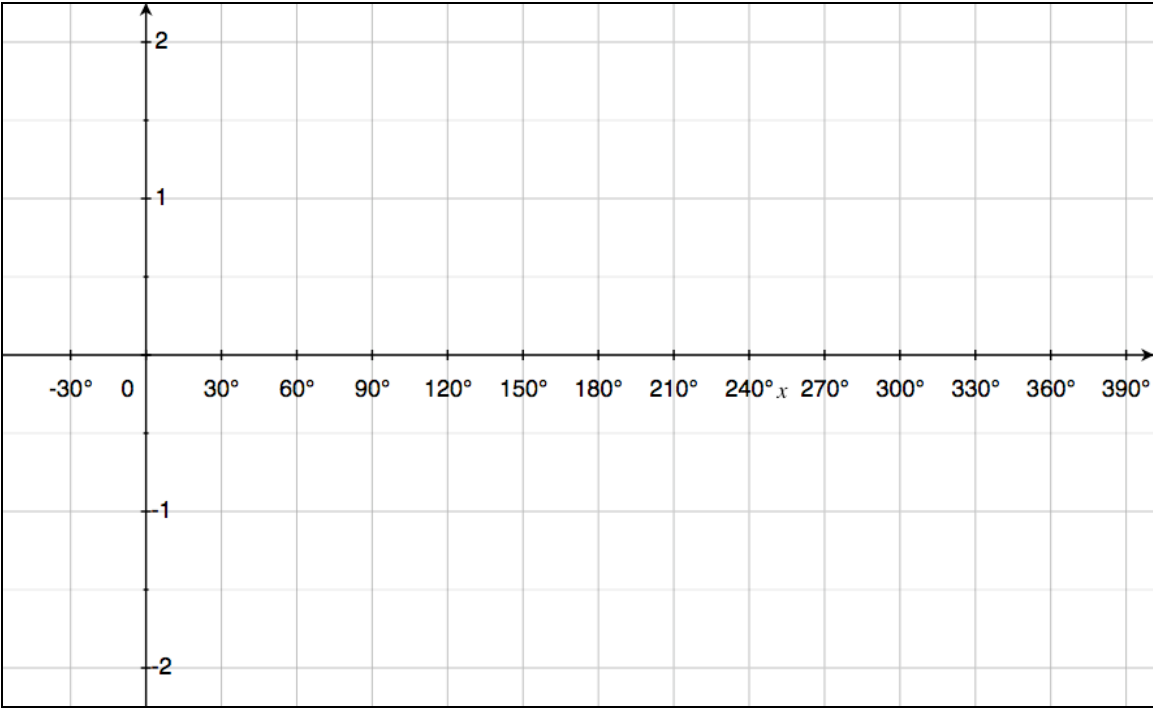
Generic form of a sinusoid:

Notes on finding amplitude:

Examples:

What about changing period?
Fill out the table below and plot the points on the axes.

x	2x	$\sin(2x)$
0		
30		
45		
60		
90		
120		
135		
150		
180		



Notes on finding period:

Examples

