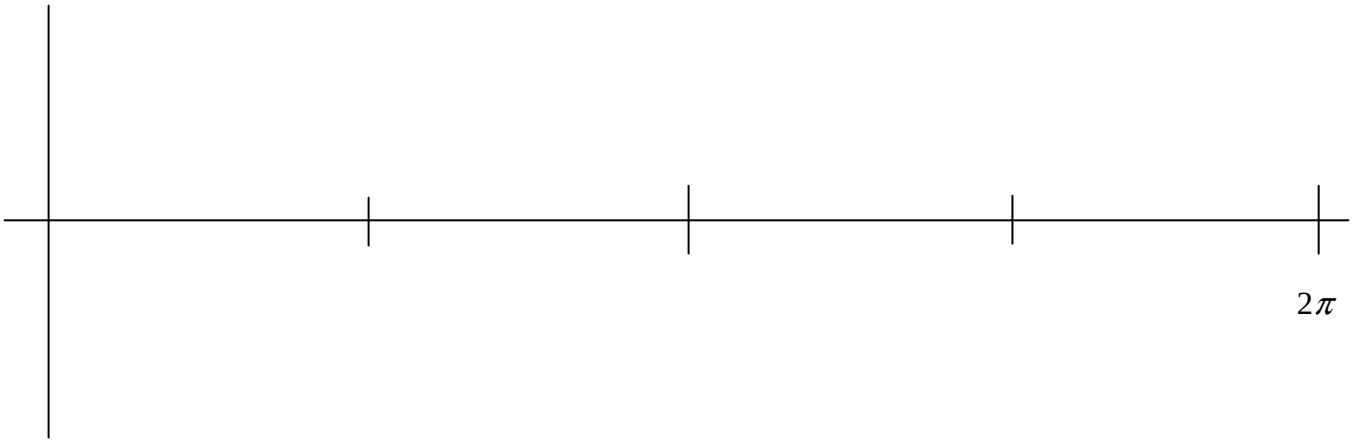
PC – Trig Name_____

All you wanted to know about graphing!

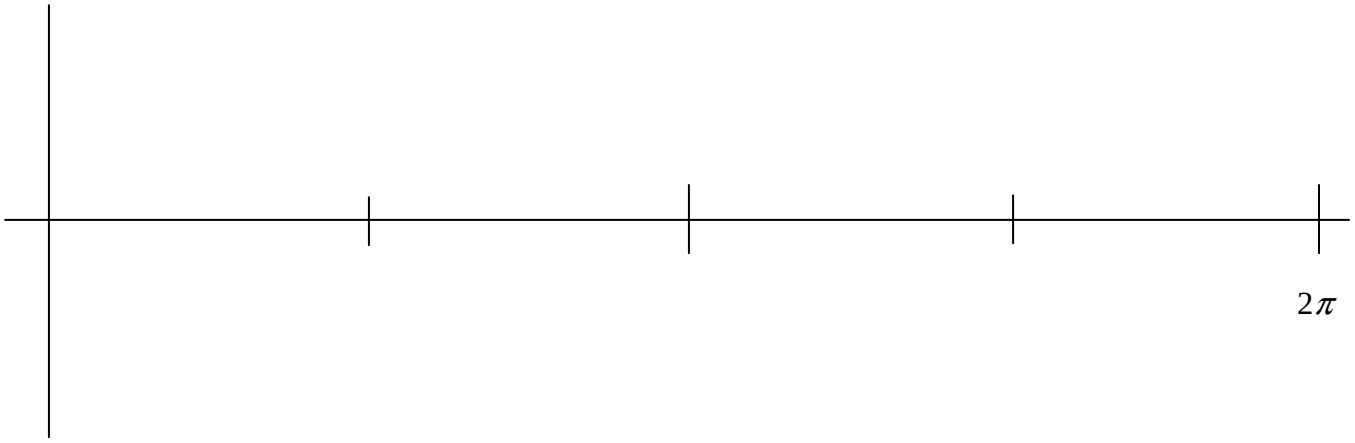
	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	2π
Cos $\frac{x}{r}$																	
Decimal																	

How would you label the x-axis considering the 2 PI?



	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	2π
Sin $\frac{y}{r}$																	
Decimal																	

How would you label the x-axis considering the 2 PI?



Period: The **period** is the duration of one cycle in a repeating event or how long it takes to repeat an interval.

Frequency: **Frequency** is the number of occurrences of a repeating event per unit time, so the frequency is the reciprocal of the period.

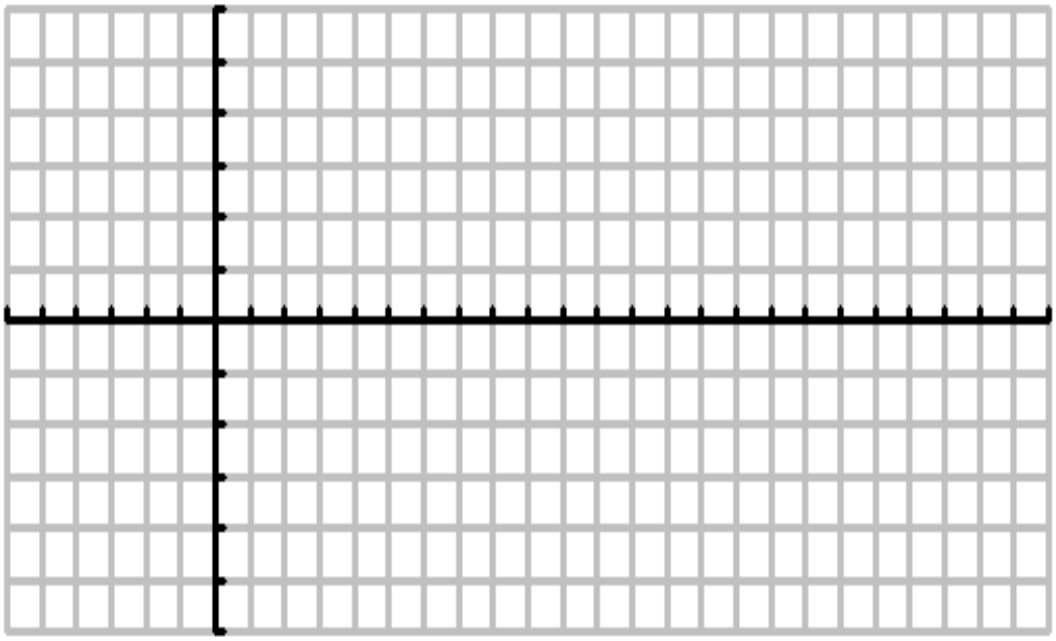
Amplitude: Maximum displacement/height from the midline (middle of function).

Notes about graphing sine and cosine functions:

$y = a \cdot \cos b(x - h) + k$

$y = a \cdot \sin b(x - h) + k$

Your standard grid for graphing in this class:



Period = _____

Amplitude = _____

Phase Shift = _____

Vertical Shift = _____