

Graphing Sine and Cosine Functions

1. Complete the following table of values:

θ° (angle)	-360	-330	-300	-270	-240	-210	-180	-150	-120	-90	-60	-30	0	30	60	90	120	150	180	210	240	270	300	330	360
$\sin \theta$																									
$\cos \theta$																									
$\tan \theta$																									

2. Graph each function.

3. Fill in the following table based on your graphs:

	$y = \sin \theta$	$y = \cos \theta$	$y = \tan \theta$
Domain			
Range			
Period Length			
Amplitude			
Maximum Value			
Minimum Value			
Zero Values			

4. Why are these functions considered to be “periodic”?

5. What would be the *equation of the central axis* for the sine function and the cosine function?