

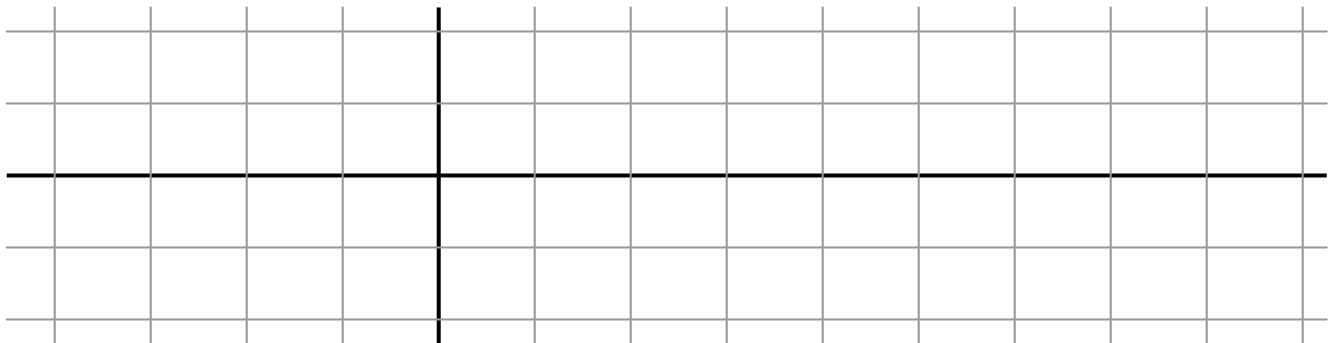
## Math 173 – Section 6.5: Graphs of Trig Functions

### Sine graph:

$\theta$		$\sin \theta$
degrees	rads	
0°		
30°		
45°		
60°		
90°		
120°		
135°		
150°		
180°		

$\theta$		$\sin \theta$
degrees	rads	
225°		
270°		
315°		
360°		

Sketch:



amplitude: \_\_\_\_\_

domain: \_\_\_\_\_

period: \_\_\_\_\_

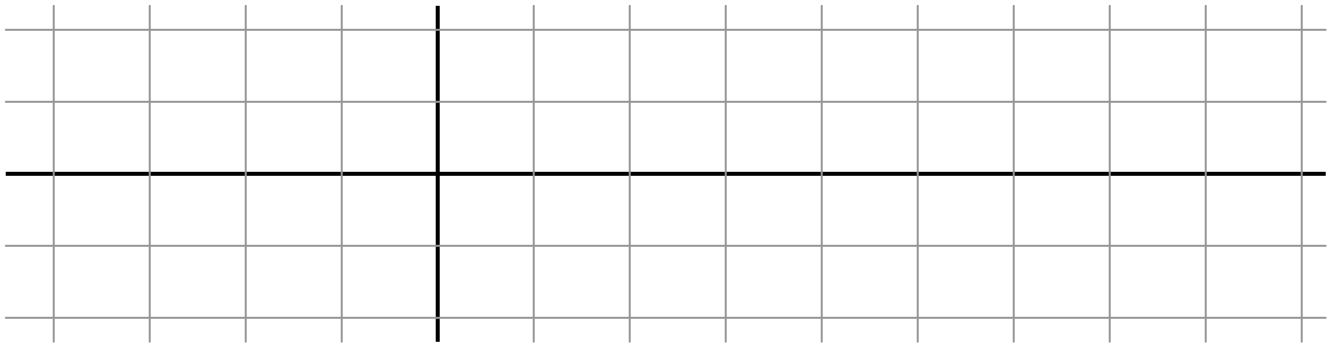
range: \_\_\_\_\_

**Cosine graph:**

$\theta$		$\cos \theta$
degrees	rads	
0°		
30°		
45°		
60°		
90°		
120°		
135°		
150°		
180°		

$\theta$		$\cos \theta$
degrees	rads	
225°		
270°		
315°		
360°		

Sketch:



amplitude: \_\_\_\_\_

domain: \_\_\_\_\_

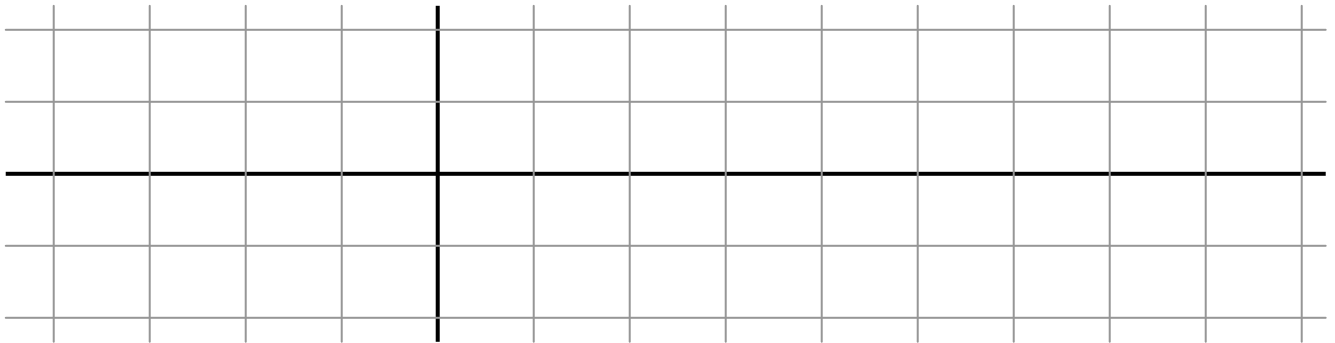
period: \_\_\_\_\_

range: \_\_\_\_\_

**Tangent graph:**

$\theta$		$\tan \theta$
degrees	rads	
$0^\circ$		
$45^\circ$		
$90^\circ$		
$135^\circ$		
$180^\circ$		
$225^\circ$		
$270^\circ$		
$315^\circ$		
$360^\circ$		

Sketch:



amplitude: \_\_\_\_\_

domain: \_\_\_\_\_

period: \_\_\_\_\_

range: \_\_\_\_\_

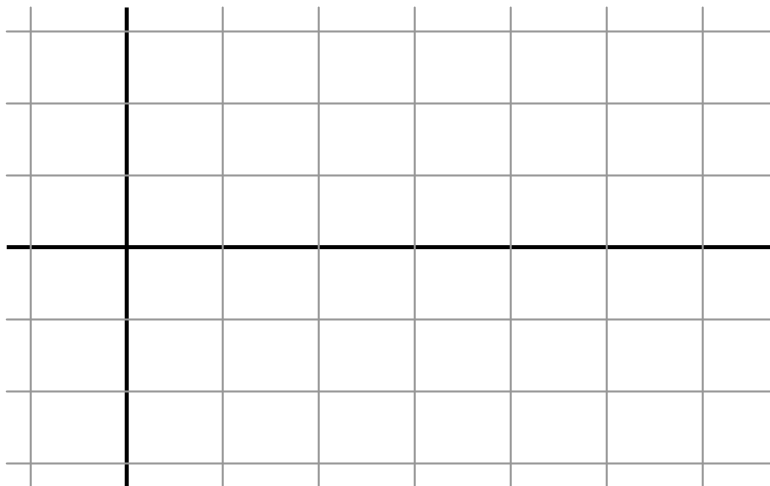
**Cosecant graph:**

amplitude: \_\_\_\_\_

domain: \_\_\_\_\_

period: \_\_\_\_\_

range: \_\_\_\_\_

**Secant graph:**

amplitude: \_\_\_\_\_

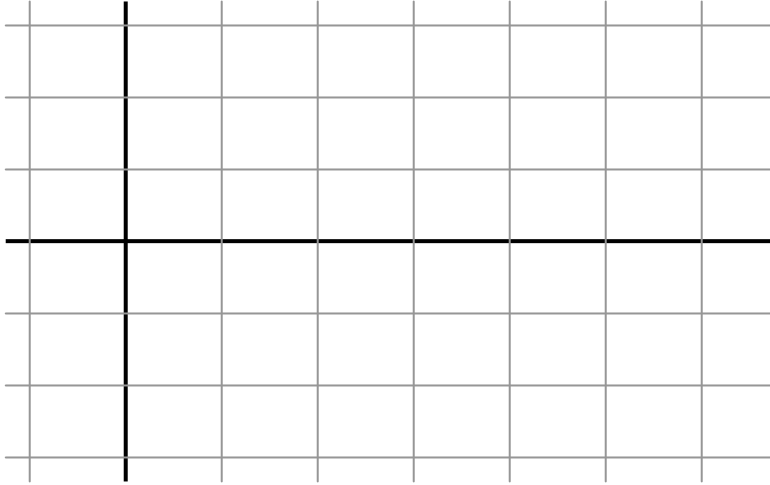
domain: \_\_\_\_\_

period: \_\_\_\_\_

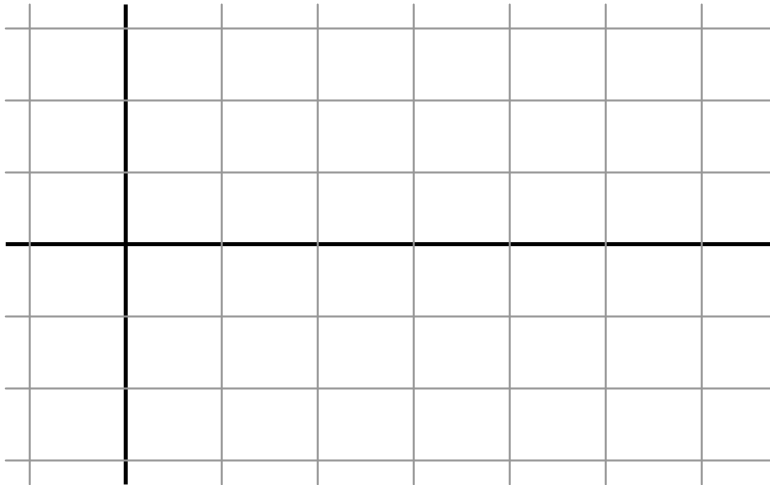
range: \_\_\_\_\_

**Cotangent graph:**

First, sketch  $\tan \theta$ :



and then take the reciprocal:



amplitude: \_\_\_\_\_

domain: \_\_\_\_\_

period: \_\_\_\_\_

range: \_\_\_\_\_