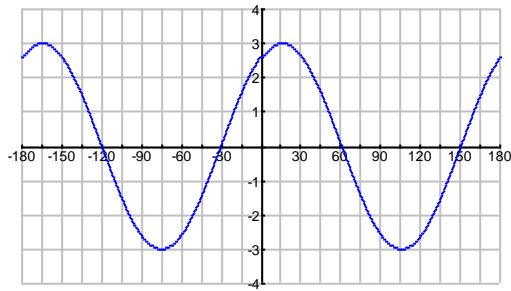
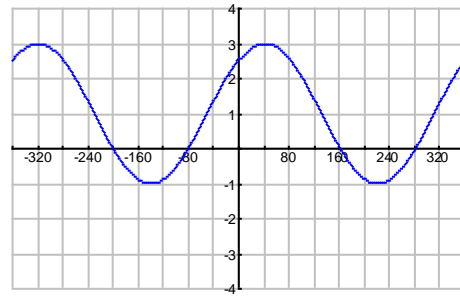


Write the equation of the following trig graphs.

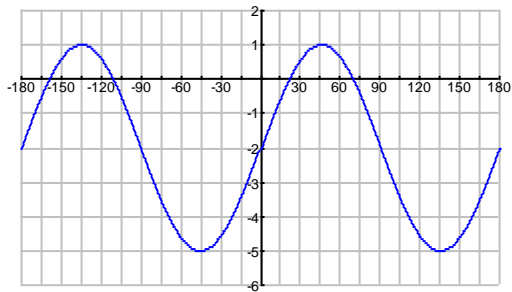
1.



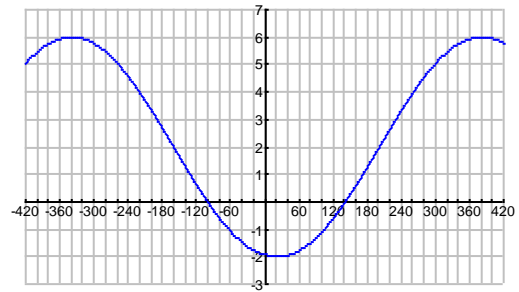
2.



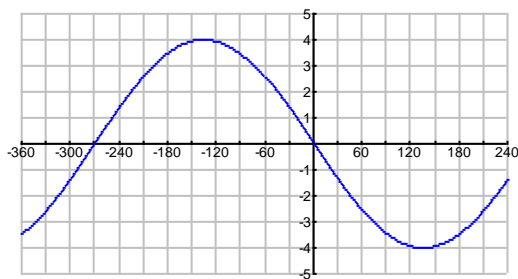
3.



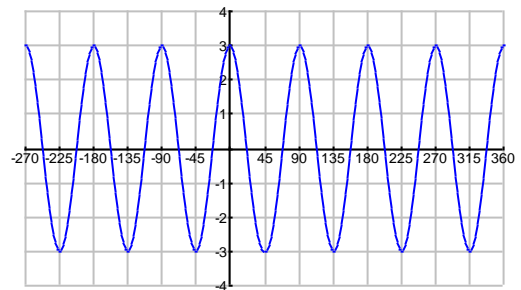
4.



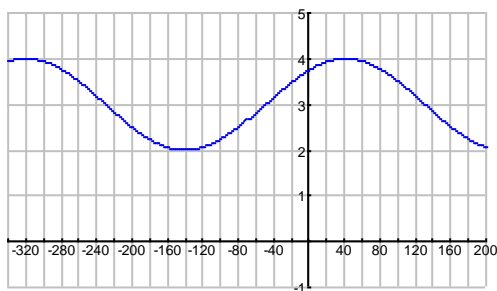
5.



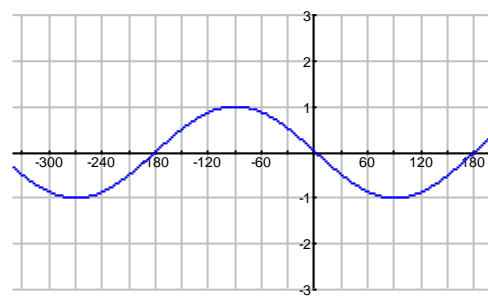
6.



7.



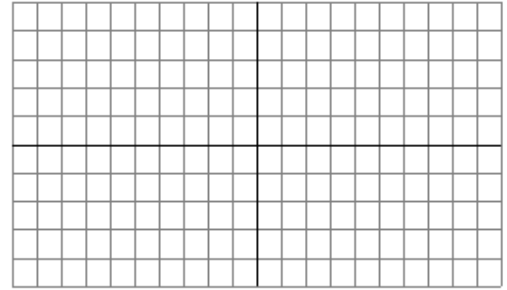
8.



9. Graph  $f(x) = -3\sin(2x - \pi) + 1$

Amplitude: \_\_\_\_\_  
 Period: \_\_\_\_\_  
 Vertical Shift: \_\_\_\_\_  
 Horizontal Shift \_\_\_\_\_  
 Start: \_\_\_\_\_  
 End: \_\_\_\_\_  
 Increments: \_\_\_\_\_

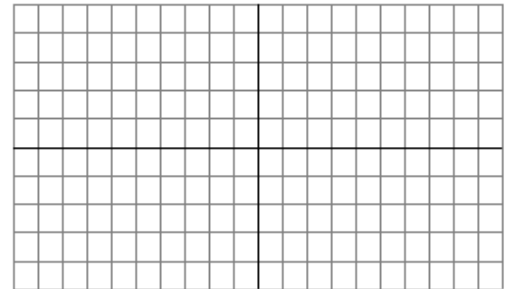
$x$	$f(x)$



10.  $f(x) = 2\cos(4x - 300^\circ) + 3$

Amplitude: \_\_\_\_\_  
 Period: \_\_\_\_\_  
 Vertical Shift: \_\_\_\_\_  
 Horizontal Shift \_\_\_\_\_  
 Start: \_\_\_\_\_  
 End: \_\_\_\_\_  
 Increments: \_\_\_\_\_

$x$	$f(x)$



You must remember the unit circle and the identities from the last unit.

11. Complete the chart(s):

Reciprocal Identities		
_____	_____	_____
_____	_____	_____

Tangent & Cotangent Identities	
_____	_____

Find the exact value of each:

12.  $\csc\left(-\frac{8\pi}{3}\right)$

13.  $\tan\frac{5\pi}{3}$

14.  $\cos\frac{23\pi}{4}$

15.  $\sin\frac{49\pi}{6}$

16.  $\cot\left(-\frac{2\pi}{3}\right)$

17.  $\tan\frac{11\pi}{4}$

18.  $\sin\frac{4\pi}{3}$

19.  $\sec\frac{2\pi}{3}$

20.  $\sec 0$

21.  $\cot 30$

22.  $\tan 60$

23.  $\cos -135$

24.  $\sin -210$

25.  $\tan -240$