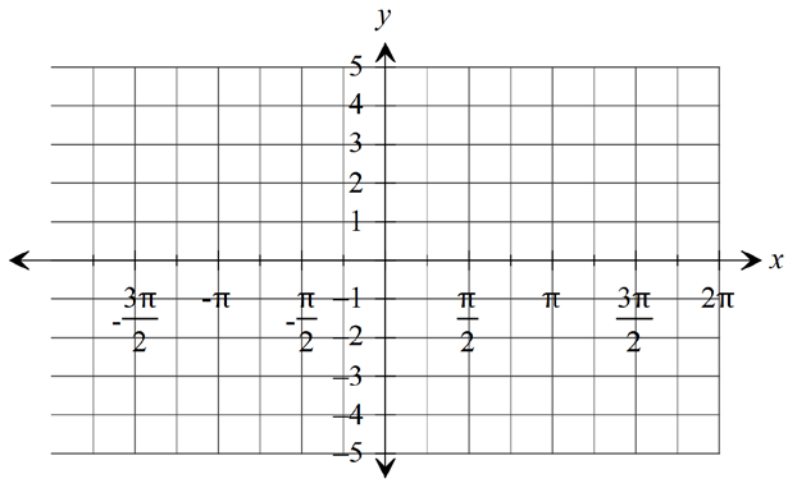


10. $f(\theta) = \cos \theta - 3$

Vertical shift _____

Amplitude _____

θ					
$y = \cos \theta$					

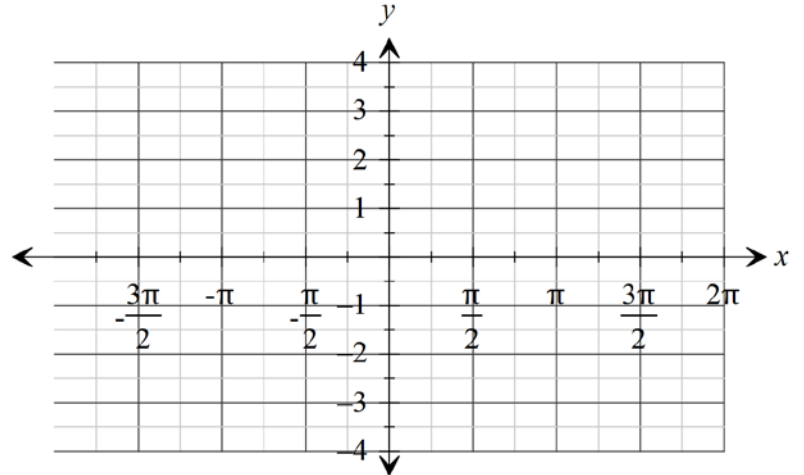


11. $f(\theta) = 2 + \sin \theta$

Vertical shift _____

Amplitude _____

θ					
$y = \sin \theta$					

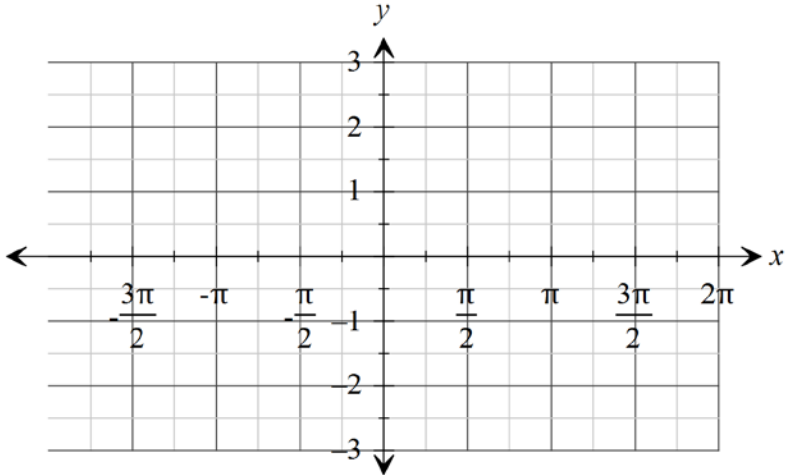


12. $f(\theta) = 2 \cos \theta$

Vertical shift _____

Amplitude _____

θ					
$y = \cos \theta$					

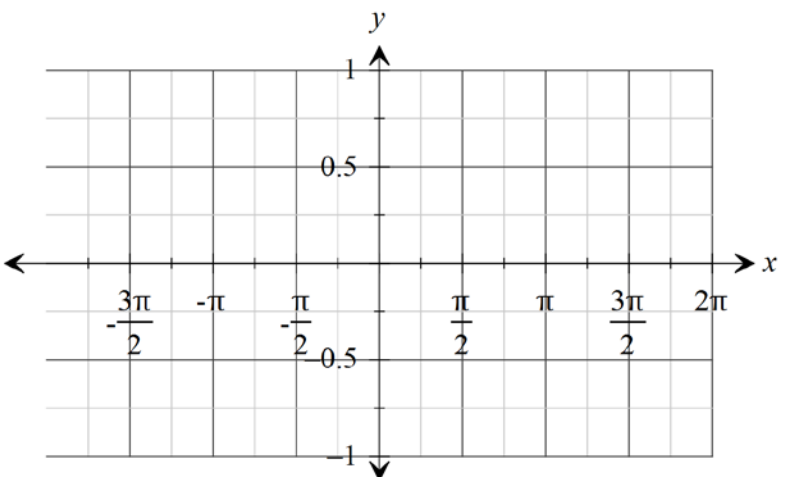


13. $f(\theta) = -\frac{1}{2} \sin \theta$

Vertical shift _____

Amplitude _____

θ					
$y = \sin \theta$					

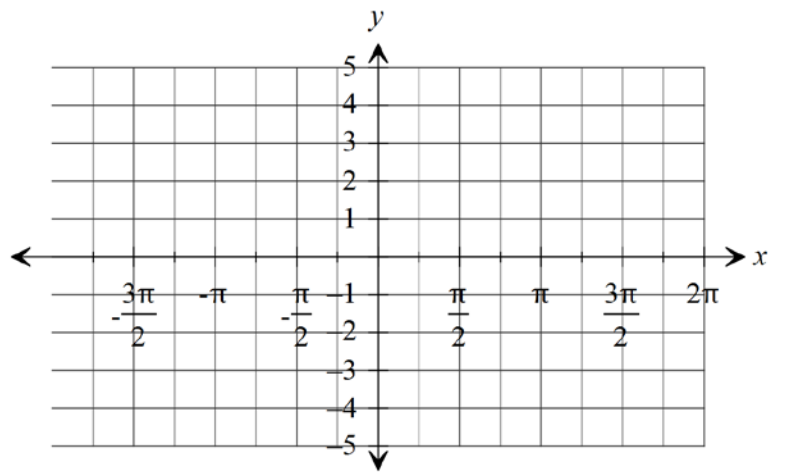


14. $f(\theta) = -4 \cos \theta$

Vertical shift _____

Amplitude _____

θ					
$y = \cos \theta$					

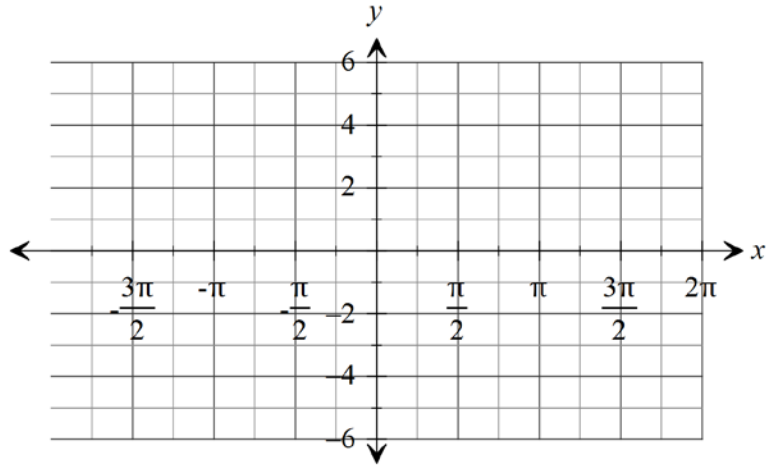


15. $f(\theta) = 3\cos(\theta) - 2$

Vertical shift _____

Amplitude _____

θ					
$y = \cos \theta$					

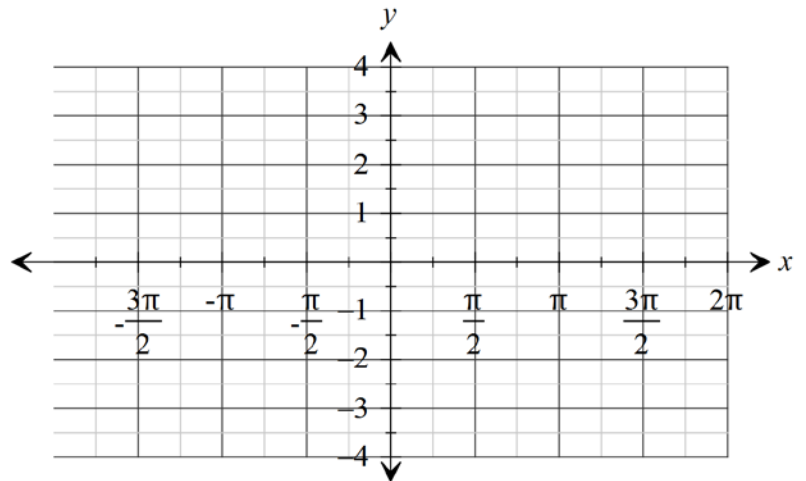


16. $f(\theta) = -2 \sin \theta - 1$

Vertical shift _____

Amplitude _____

θ					
$y = \sin \theta$					



Write an equation for the sine curve that has the given amplitude and vertical shift.

17. Amplitude = 3 Vertical Shift = 7

18. Amplitude = 1 Vertical Shift = -3

19. Amplitude = 5 Vertical Shift = $\frac{5}{6}$

20. Amplitude = 1 Vertical Shift = 0