

Phase Shift; Sinusoidal Curve
Fitting

1. Find the amplitude, period, and phase shift of each function. Graph each function. Be sure to label key points. Show at least two periods (Similar to p.170 #3-14)

$$y = 3 \sin(4x - \pi)$$

2. Find the amplitude, period, and phase shift of each function. Graph each function. Be sure to label key points. Show at least two periods (Similar to p.170 #3-14)

$$y = -2 \cos\left(3x - \frac{\pi}{2}\right)$$

3. Find the amplitude, period, and phase shift of each function. Graph each function. Be sure to label key points. Show at least two periods (Similar to p.170 #3-14)

$$y = 5 \sin(\pi x - 3) - 2$$