Activity #1: Determining Amplitude, Period, and Phase Shift of a Sine Curve - **DUE FRIDAY, 4/17**

Name_____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Determine the amplitude, period, and phase shift for each. If none exists, write "N/A" for your answer.

1) $y = 5 \sin \frac{1}{3}x$

Amplitude:_____

Period:_____

Phase Shift:_____

2) $y = 2 \sin (4x + 2\pi)$

Amplitude:_____

Period:_____

Phase Shift:_____

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

Amplitude:_____

Period:_____

Phase Shift:_____

4) $y = -3 \sin\left(\frac{1}{4}x - \frac{\pi}{4}\right)$

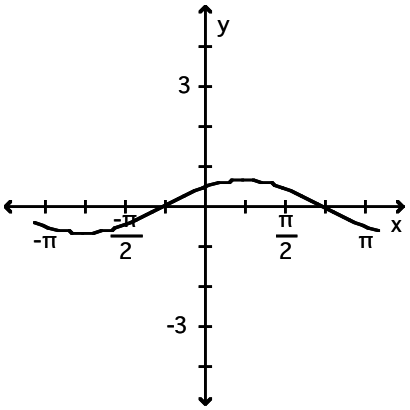
Amplitude:_____

Period:_____

Phase Shift:_____

Looking at the sine curve below, determine the amplitude, period, and phase shift. If none exists, write "N/A" for your answer.

5)



Amplitude:_____

Period:_____

Phase Shift:_____