Class:

What is a Wave? Post-Assessment

Directions

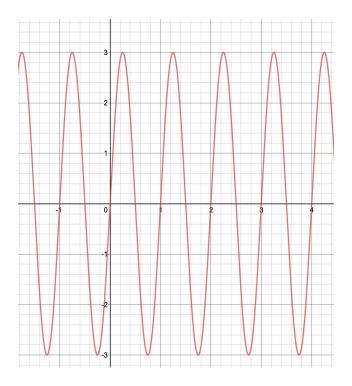
Answer the following questions the best you can. This is a graded assignment.

Given the equation for a sine wave below, answer the following questions:

$$y(t) = 4.5\sin(6\pi t + 45) - 15$$

- 1. What is the **frequency** of the wave?
- 2. What is the **phase angle** of the wave, and how does this phase angle affect the graph of the wave?

Given the plot for a sine wave below, answer the following questions (assume the phase angle and vertical shift are equal to 0):







Date:

- 3. What is the amplitude of the sine wave?
- 4. What is the frequency of the sine wave? How did you calculate it?



