**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:

$$y\left(t\right)=4.5\sin(\left(6πt+45\right)-15)$$

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):



1. What is the amplitude of the sine wave?
2. What is the frequency of the sine wave? How did you calculate it?