

Name \_\_\_\_\_

Date \_\_\_\_\_

### Modeling Phenomena with Trigonometric Functions - Guided Lesson

Complete the following problems:

1) What is the amplitude of the function  $y = 3\tan\left(\frac{4x}{8}\right)$ ?

- A) 7      B) 6      C) 3      D) 10

2) Calculate the period of  $\frac{\pi}{3}$ .

3) Calculate the amplitude of function  $y = 9\cos\left(\frac{3x}{8}\right)$ ?

