

Name \_\_\_\_\_

Per \_\_\_\_\_

## Speed vs. Velocity

- 1.) You are a passenger on a plane and want to go on vacation in Hawaii. Do you want your pilot to know **speed** or **velocity**? \_\_\_\_\_
- 2.) You are an Olympic swimmer and want to win the gold medal in the 1000m freestyle race. Is it more important to know your **speed** or your **velocity**? \_\_\_\_\_
- 3.) The school has just changed from 3 minutes to 2 minutes of passing time to get from one class to the next. Should you change the **speed** or **velocity** of your walk? \_\_\_\_\_
- 4.) Your grade in PE depends on how you do in the mile run. Will your teacher most likely grade you on your **speed** or **velocity**? \_\_\_\_\_
- 5.) You are the captain of a cruise ship that travels out of the San Francisco Bay. As captain, should you be more familiar with **speed** or **velocity**? \_\_\_\_\_
- 6.) You are skateboarding to school in the morning. Do you want to know **speed** or **velocity** in order to get to the right place? \_\_\_\_\_
- 7.) You throw a ball up in the air and catch it. Which is more important, **speed** or **velocity**? \_\_\_\_\_
- 8.) You and your friends decide to take the BART train to San Francisco. Is it more important to know the **speed** or the **velocity** of the train to make sure you will get there on time? \_\_\_\_\_
- 9.) You drop an egg, a rock, and a ball straight down from the roof of your house. If you wanted to know how fast they each dropped, would you calculate the **speed** of each or the **velocity**? \_\_\_\_\_
- 10.) You let go of a bundle of helium balloons and want to try to follow them on your bike. Is it more important for you to know **speed** or **velocity**? \_\_\_\_\_