

Name _____

Reviewing Terms: Matching

Match each description with the correct word or phrase. Write the letter on the line next to each description.

- | | | |
|--------------|---|-----------------------|
| <u> a </u> | 1. one object's motion as compared to an object in a fixed position | a. relative motion |
| <u> c </u> | 2. the objects used to detect motion | b. velocity |
| <u> d </u> | 3. the rate at which an object changes position | c. frame of reference |
| <u> b </u> | 4. the speed and direction in which an object is moving | d. speed |

Reviewing Concepts: Sentence Completion

Complete each sentence with the correct word or phrase.

- several ways 5. Objects can move in _____. (one way, several ways)
- time 6. To find an object's average speed, you need to know the distance traveled and the _____. (time, direction)
- velocity 7. North, south, east, and west are words used to describe an object's _____. (speed, velocity)
- acceleration 8. Any change in speed or direction of motion is _____. (acceleration, velocity)

Applying Strategies: Calculating

9. What is the average speed in kilometers per hour of a car that travels 240 kilometers in 4 hours? Show your work. (2 points)

$$240 \text{ km} \div 4 \text{ hours} = 60 \text{ km/hour}$$