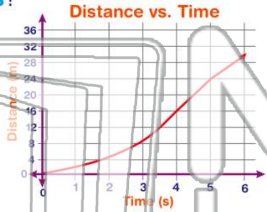




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

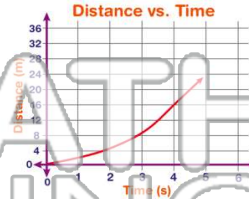
1 How fast is the boat traveling after 4 seconds?

- A about 4 m/s
- B about 3 m/s
- C about 2 m/s
- D about 1 m/s



2 Using the graph, estimate how far the boat will have gone at 5 seconds.

- A about 16 m
- B about 22 m
- C about 24 m
- D about 28 m



3 An object that is **moving** is an example of \_\_\_\_\_.

4 Top speeds of NASA rockets in orbit reach almost 7,200 miles per hour, or **120 miles per minute**. Using the formula below, determine the **speed** of the space



5

## PREVIEW

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7 0 mph to 60 mph. The car is accelerating at **6 mph/s**.

$$\text{acceleration} = \frac{\text{final speed} - \text{initial speed}}{\text{time}}$$

- A 2 seconds
- B 4 seconds
- C 6 seconds
- D 10 seconds

information: The car was accelerating at **8 mph/s**, its final speed was **90 mph**, and it was traveling for **10 s**.

$$\text{acceleration} = \frac{\text{final speed} - \text{initial speed}}{\text{time}}$$

- A 10 mph
- B 20 mph
- C 30 mph
- D 40 mph

9 Sometimes measured in  $\text{m/s}^2$  (meters per second per second) or  $\text{mph/s}$  (miles per hour per second), **acceleration** is the rate at which \_\_\_\_\_ **changes**.

- A time
- B distance
- C angle
- D velocity



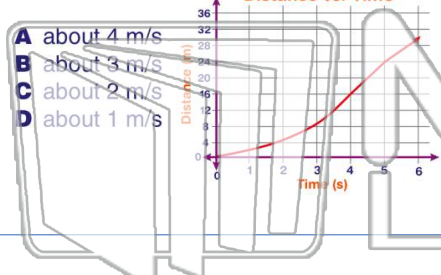
10 If **motion** has **not** occurred, then the \_\_\_\_\_ between two objects has not changed.

- A time
- B distance
- C angle
- D lighting



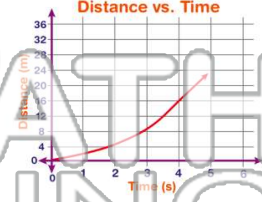
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