

Last Name: _____

First Name: _____

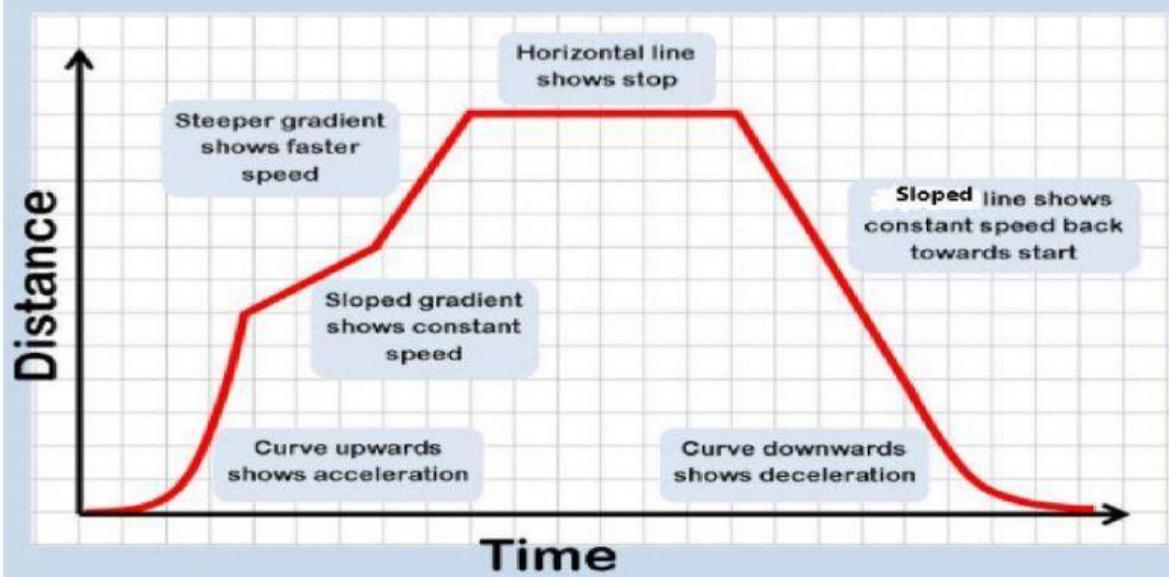
Period: _____

Date: _____

Interpreting Motion Graphs

Distance Time Graphs

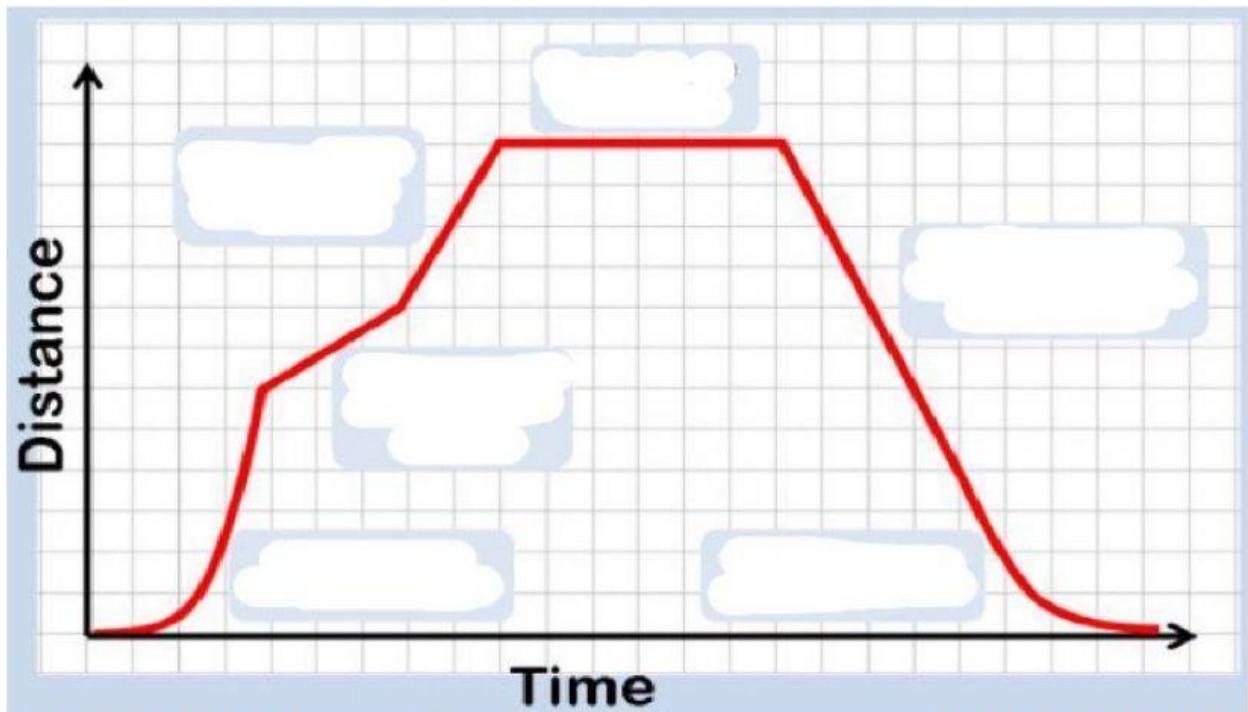
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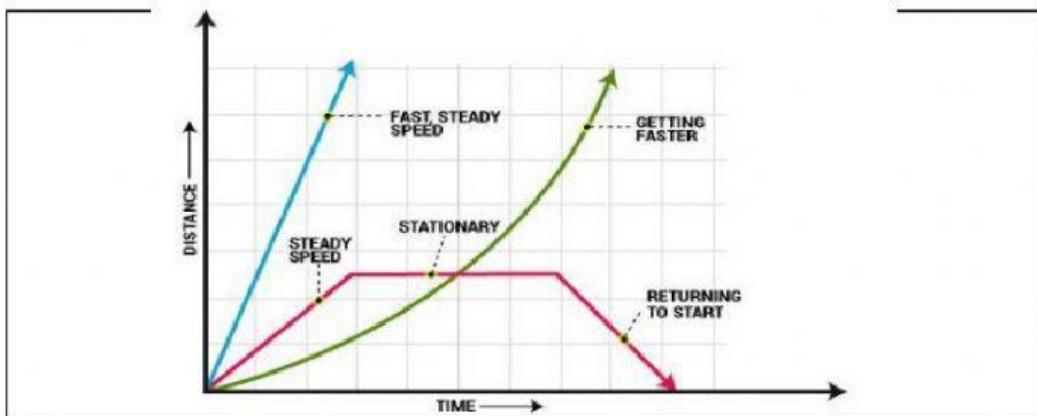
Part I

interpreting graphs

Use the graph above to complete the missing information inside the boxes

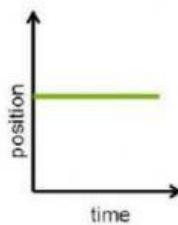


Part II



Multiple Choice

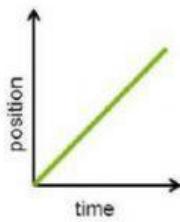
1. This position vs time graph (speed) represents



answer

- a) Object is not moving is stationary b) object is speeding c) constant speed

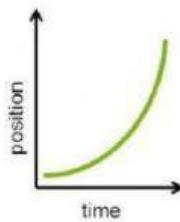
2. This position vs time graph (speed) represents



answer

- a) Constant speed or steady speed b) accelerating c) not moving

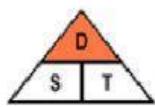
3. This position vs time graph (speed) represents



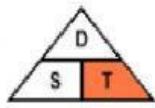
answer

- a) Rest b) accelerating/getting faster up c) slowing down

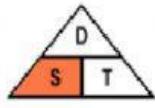
Use this diagram to complete questions 7, 8, and 9.



$$\text{Distance} = \text{Speed} \times \text{Time}$$



$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$



$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

7) What is the formula to find the Distance?

$$\text{Distance} = \boxed{} \times \boxed{}$$

8) What is the formula to find the Time of travel?

$$\text{Time} = \frac{\boxed{}}{\boxed{}}$$

9) What is the formula to find the Speed?

$$\text{Speed} = \frac{\boxed{}}{\boxed{}}$$

10)

You drove a distance of 48 miles and the time you took was 6 hours.

What was your speed?

$$d = 48 \text{ miles}$$

$$t = 6 \text{ hours}$$

$$s = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$