2.6 Distance Time Graphs

A distance-time graph shows an object's distance from a fixed point over a period of time.
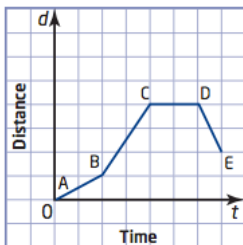
A rising line shows that distance from a point _____ as time increases.

A falling line shows that distance from a point _____ as time increases.

A horizontal line shows that distance from a point remains _____

Analyzing a Distance-Time Graph

Describe the following graph that represents a person's distance from home over a period of time:
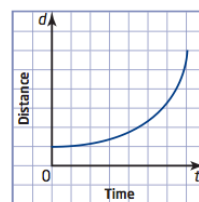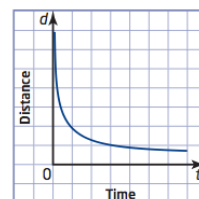

AB:_____

BC:_____

CD:_____

DE:_____

Note: A straight line indicates a constant rate of movement. Also, the steeper a line, the faster the rate of movement.

Changes of Rate of Movement

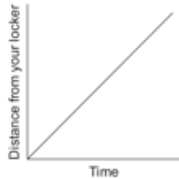A curve may represent an increase in rate of movement (_____)

A curve may represent a decrease in rate of movement (_____)

2.6 Distance Time Graphs blank lesson
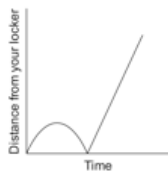
1) **Describing Distance Time Graphs**

The following graphs show the movement of various students on their way to class today from their locker. Describe each graph:
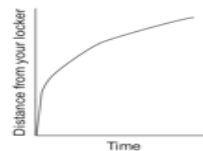
Distance from your locker / *Time*

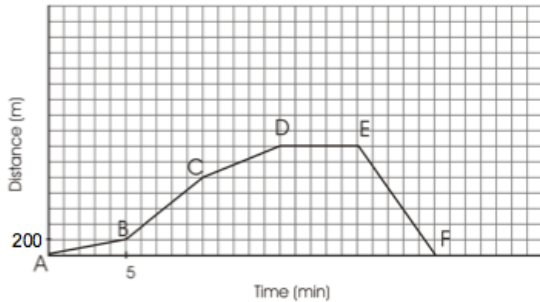**Description:**

Distance from your locker / *Time*

Description:

Distance from your locker / *Time*

Description:

Distance from your locker / *Time*

Description:

2)

Chris walks each day as part of his daily exercise. The graph shows his distance from home as he walks his route.

Using the graph, give an explanation of what is occurring over Chris' walk. Include information about time, distance, direction and speed during each segment

AB:

BC:

CD:

DE:

EF:

Homework:

Complete both Worksheets