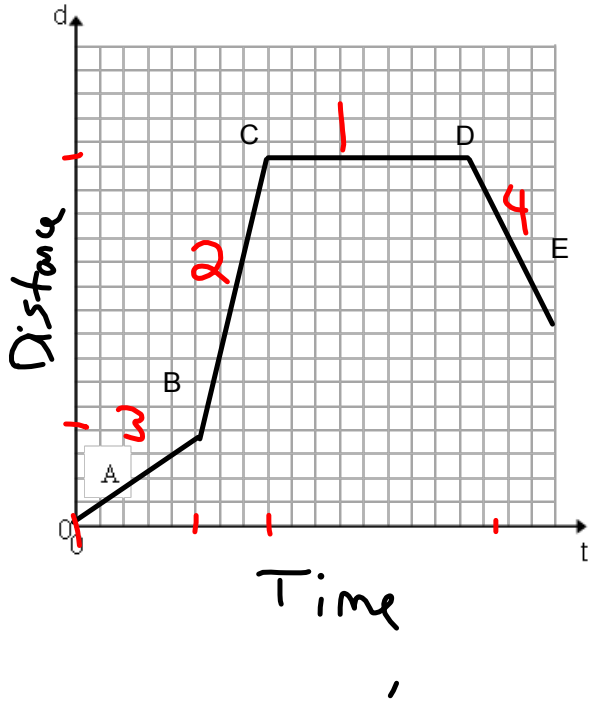
Distance - Time Graphs

A distance - time graph shows an object's distance from a fixed point over a period of time.

Example 1: State which phrase best describes each segment of this distance time graph.



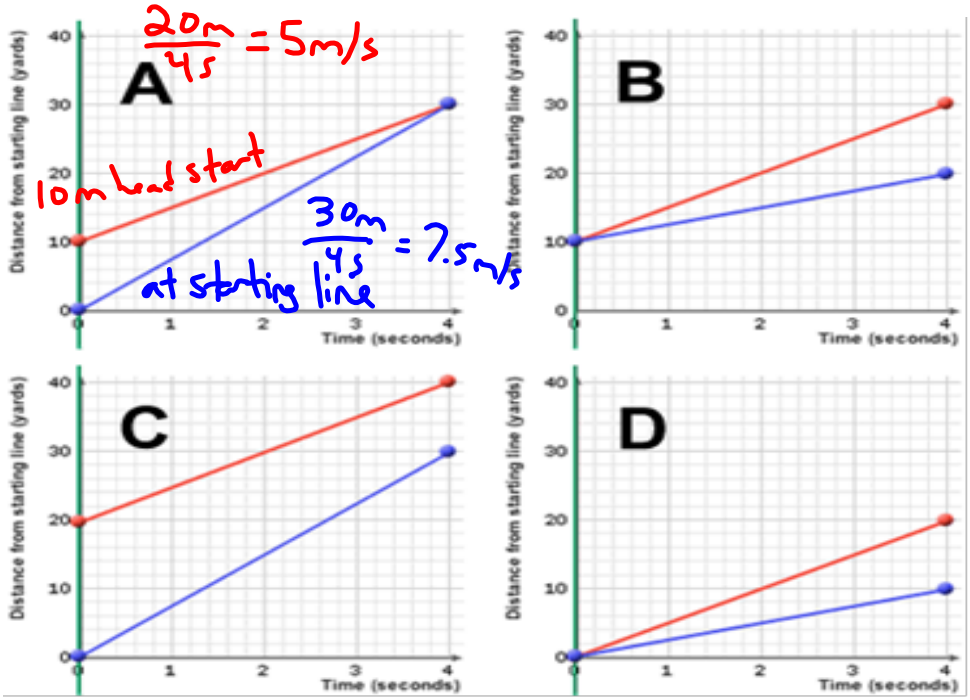
1) No Movement

2) Fastest Movement

3) Slowest Movement

4) Backward Movement

Example 2: Given the following graphs in each one compare and contrast the start and finish of each person as well as their speed throughout the time period of the graph.



Example 3: Draw a distance - time graph for each situation.

a) A student leaves home, walking at a constant speed. She slows down, and then stops for a few seconds to look in a store window. She turns around and walks back home at a decreasing speed.

b) A student leaves school at lunch walking at an increasing speed. He slows down and talks to a friend, continues on to Tim Hortons, gets a coffee and then returns to school at a constant speed.