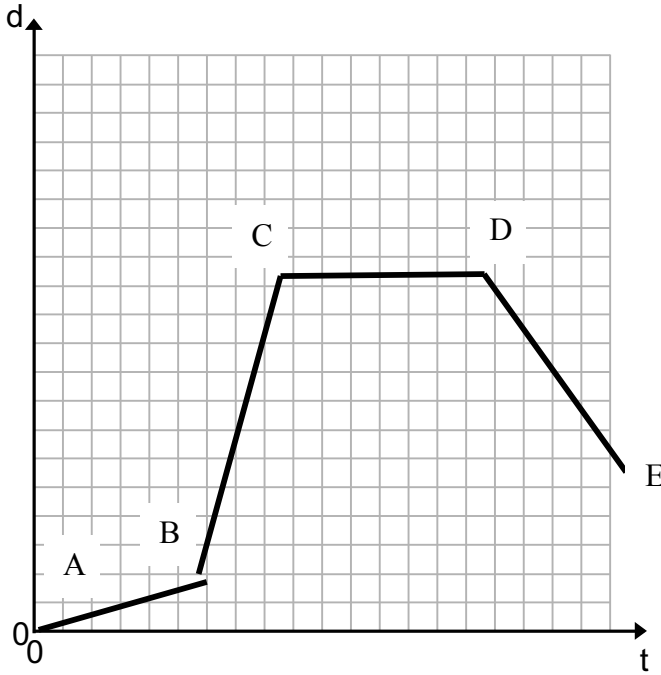


2.6 Distance – Time Graphs

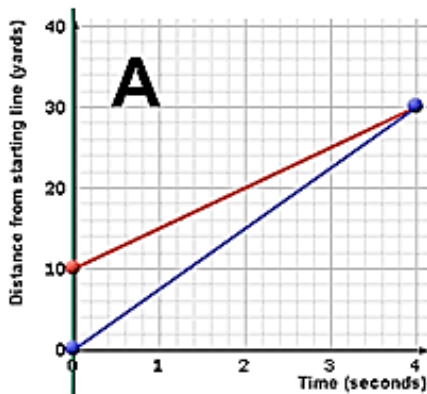
A distance – time graph shows an object’s distance from a fixed point over a period of time.

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

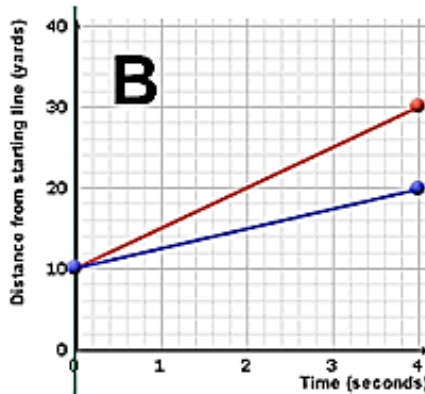


- a) No Movement
- b) Fastest Movement
- c) Slowest Movement
- d) Backward Movement

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.



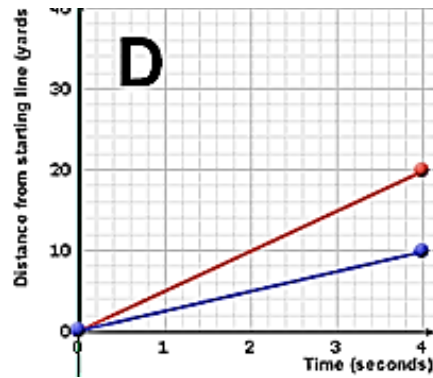
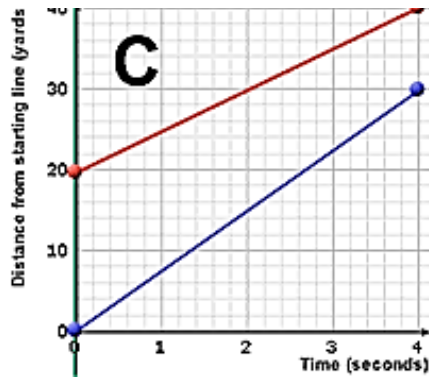
A:



B:

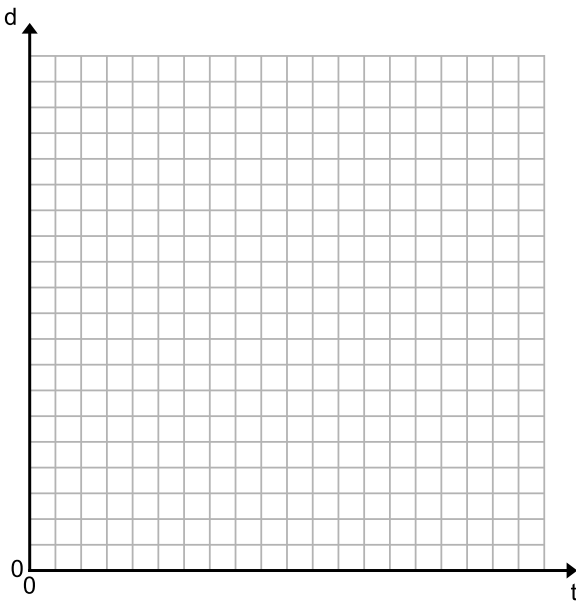
C:

D:

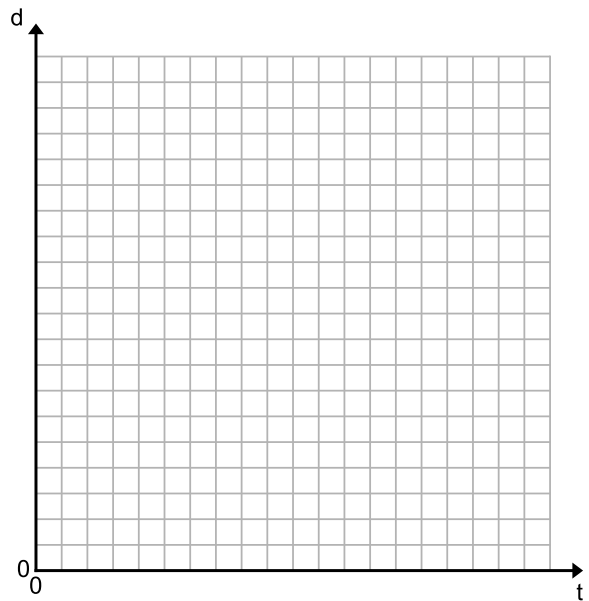


Example 3: Draw a distance – time graph for each situation.

- 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.



SUMMARY of Distance – Time Graphs:

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