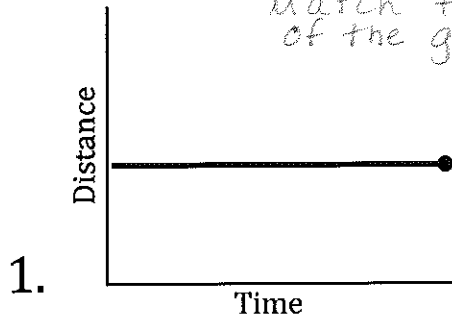
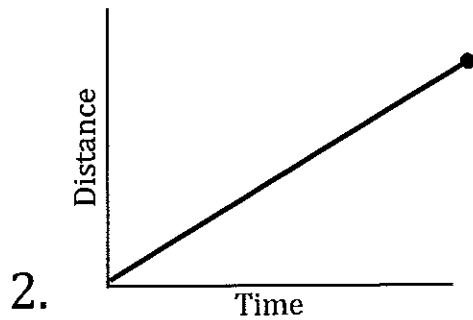


Describe these motion graphs

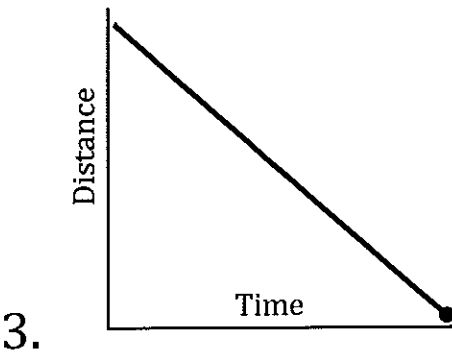
Match the graph to the story. Write the number of the graph on the line before each story.



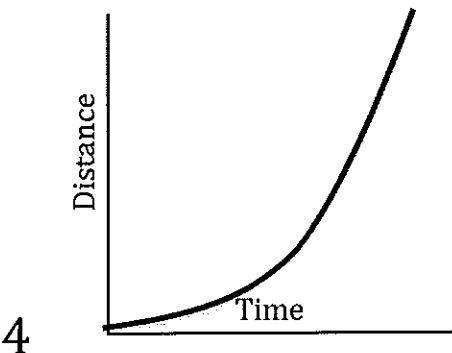
_____ A. The car is coming back, returning to start. I know this because



_____ B. The car is stopped and at rest. I know this because _____



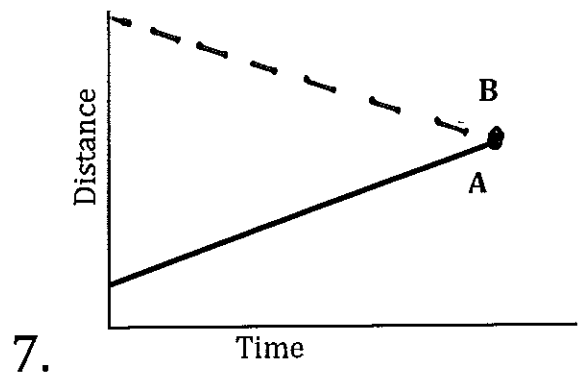
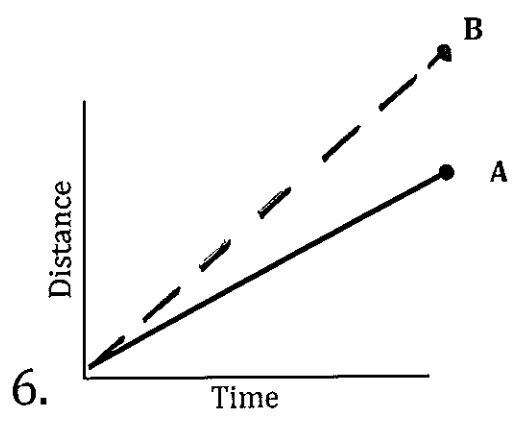
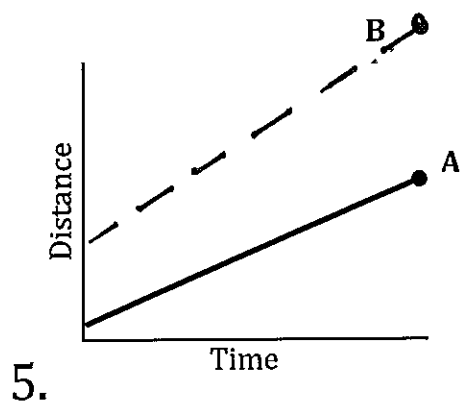
_____ C. The speed of the car is increasing. It is accelerating I know this because _____



_____ D. This car is traveling at a constant speed. I know this because

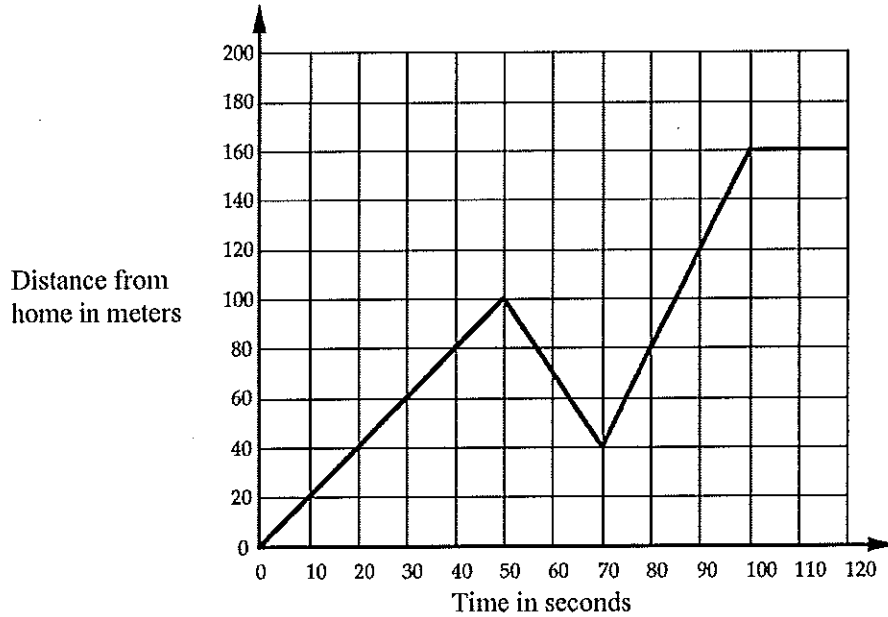
short (2 sentences)

The motion of two cards is shown in the following graphs. Write a description to explain what is shown.



Journey to the Bus Stop

Every morning Tom walks along a straight road from his home to a bus stop, a distance of 160 meters. The graph shows his journey on one particular day.



8. Describe what may have happened. You should include details like how fast he walked.

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9. Are all sections of the graph realistic? Fully explain your answer.

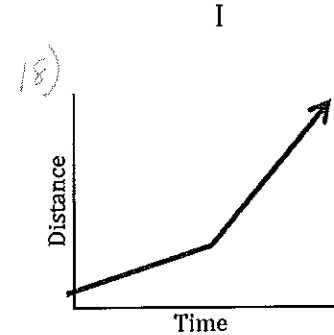
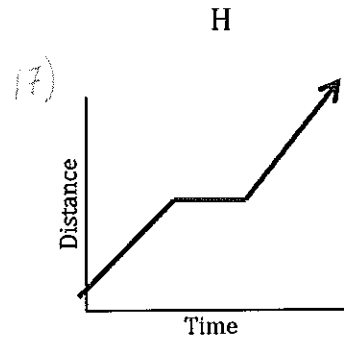
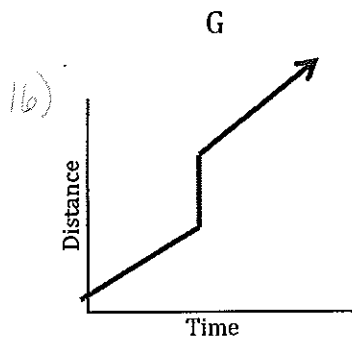
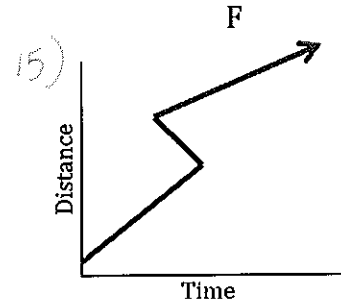
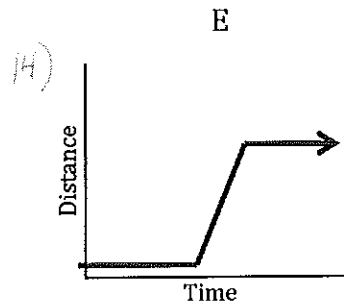
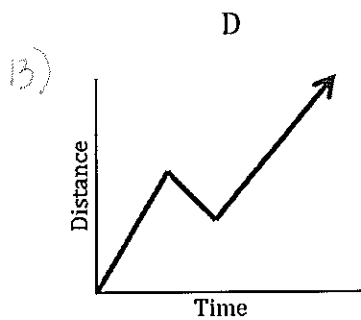
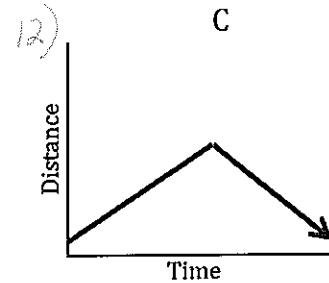
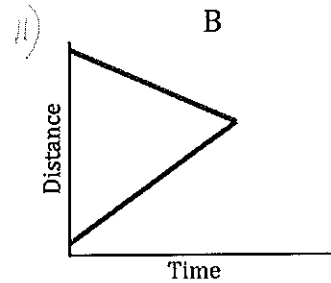
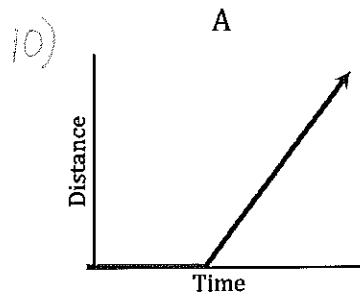
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Which of these graphs is Impossible?



Directions for each graph above.

Write a story for each of these unlabeled graphs. There are three graphs that are impossible, so be sure your story is science fiction to explain what is happening. Time travel is impossible, so a time machine or magic would be needed.