

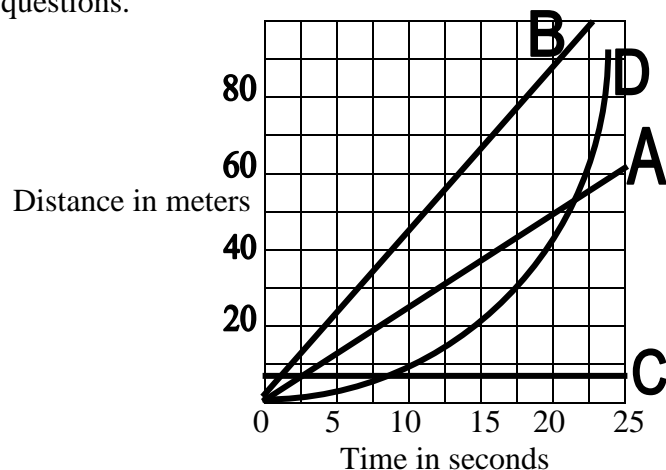
## Skill Practice 5

# Motion Graphs Practice

Name: \_\_\_\_\_

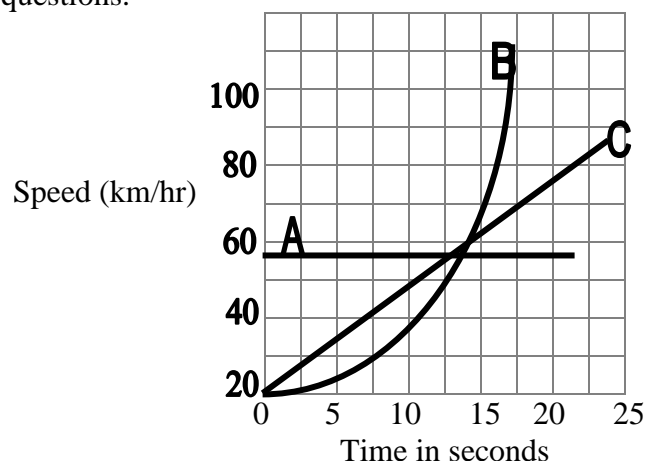
Date: \_\_\_\_\_

1. The graph below shows four different cars—A, B, C, and D. Use the graph to answer the following questions.



- a) Which car—A, B, C, or D—has an average speed of about 5 m/s during the first 5 seconds? **B**
- b) Which car is not moving? **C**
- c) Which car is accelerating? **D**
- d) Which moving car is slowest? **A**
2. Again, consider the graph in question 1. Which car is moving the fastest when the time is 5 seconds? Which car is moving the fastest when the time is 22.5 seconds?  
**At 5s, B is fastest. At 22.5s, D is fastest.**

3. The graph below shows three different cars—A, B, and C. Use the graph to answer the following questions.



- a) Is there a car not moving? If so, which one? **None**
- b) Which car(s) has constant speed? **A**
- c) Which car travels the farthest after 17 seconds? **A**
- d) Is there a car that is slowing down? **No**