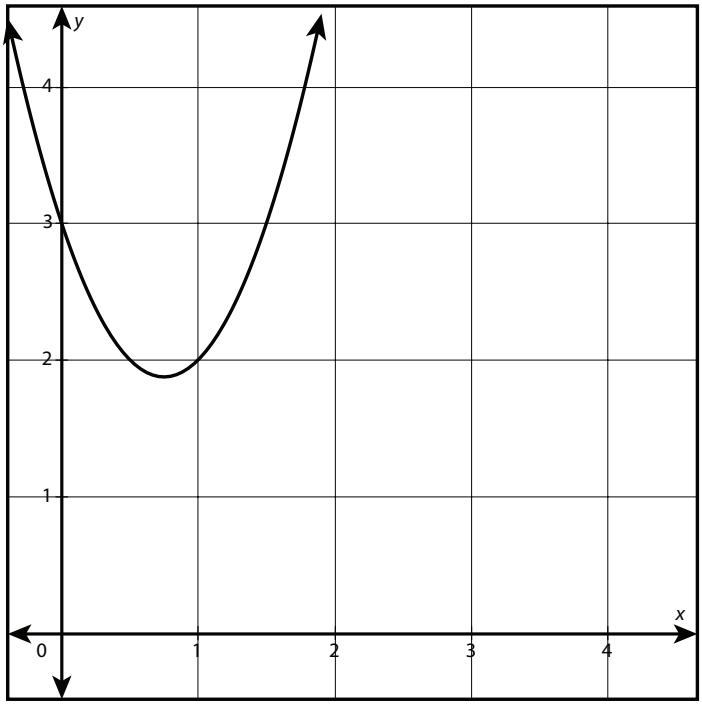
Name: **Date:**

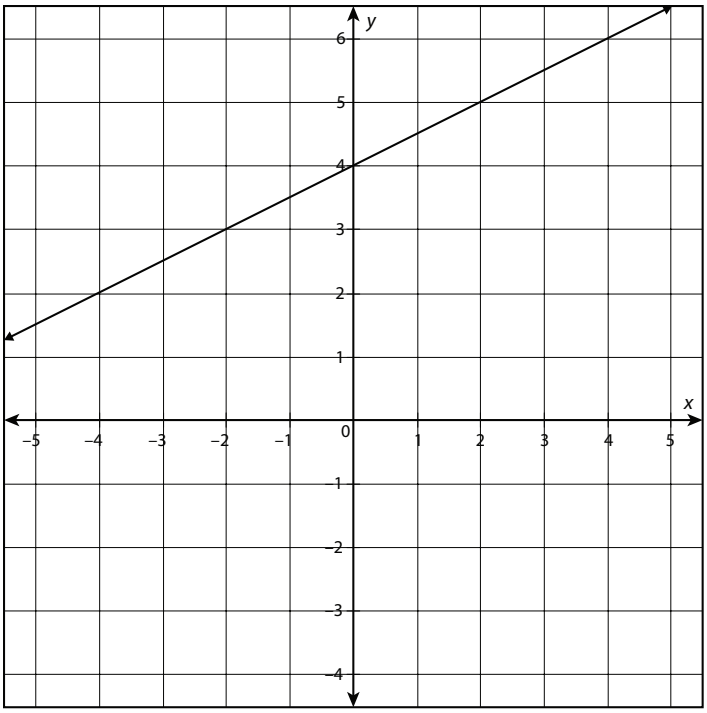
Practice: Average Rate of Change on a Graph B

For problems 1–4, use the graph to determine the type of function being modeled.

1.



2.



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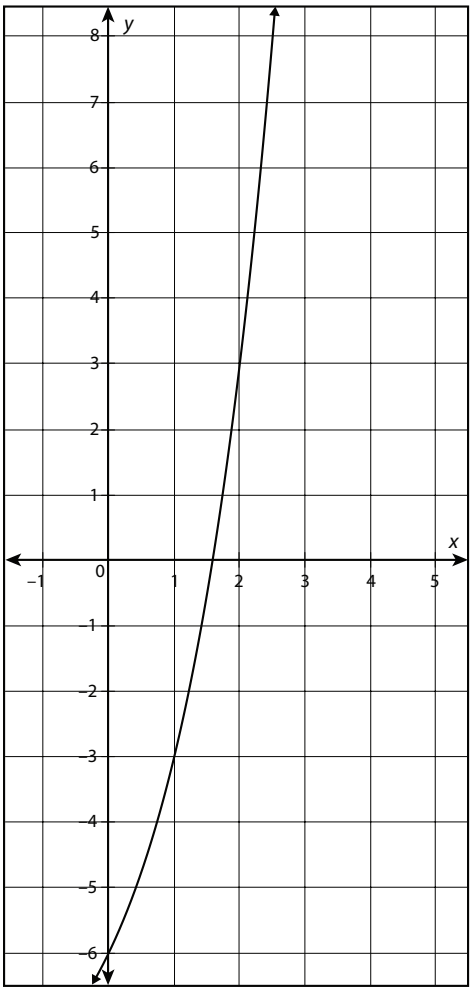
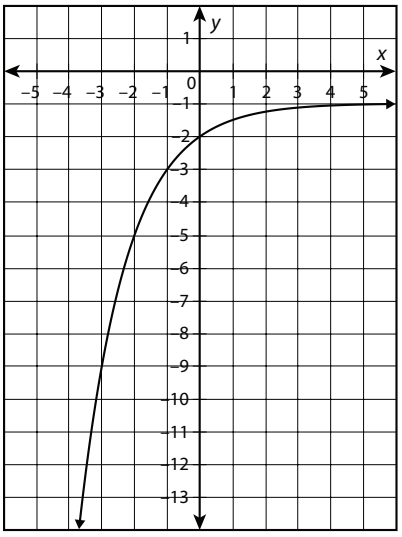
Name: **Date:**

3.



4.



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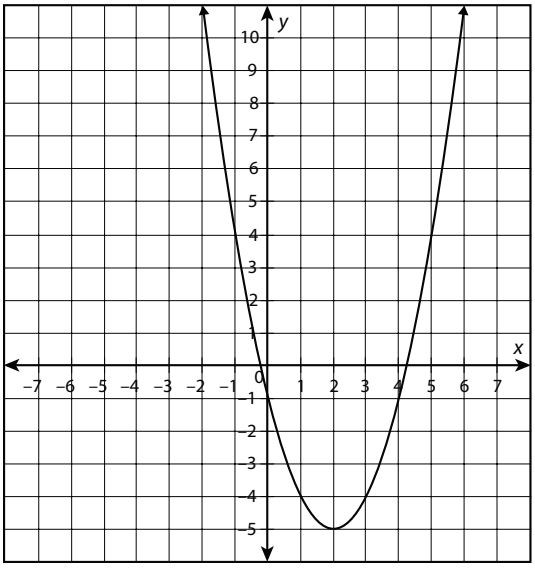
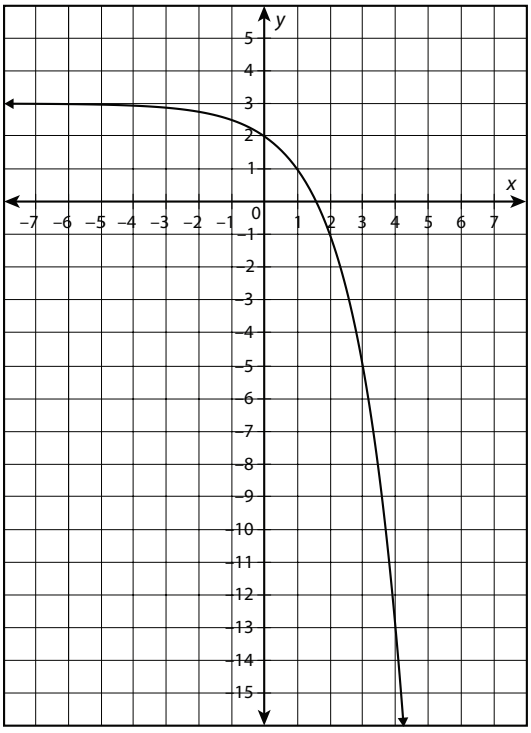
Name: **Date:**

For problems 5 and 6, use the graphs to calculate the rate of change between the given values.

5. between $x = 2$ and $x = 5$



6. between $x = 0$ and $x = 4$



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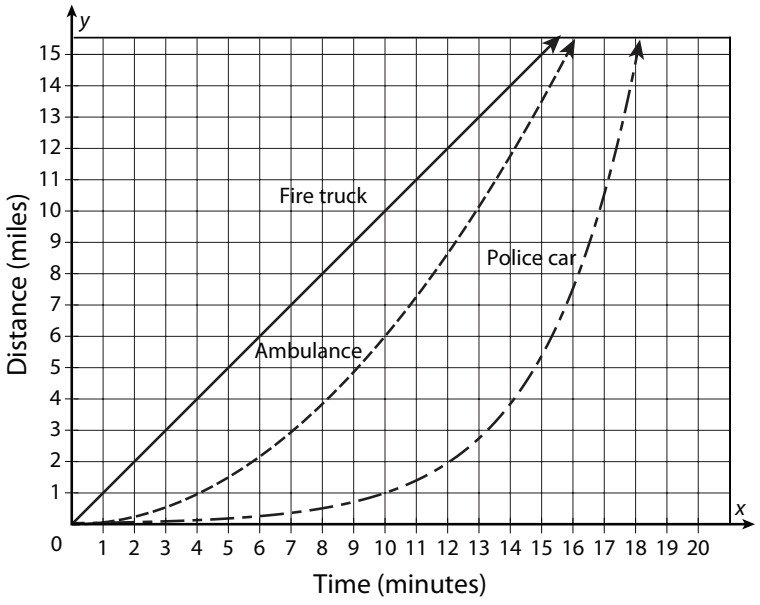
Name: **Date:**

Use the following information to solve problems 7–10.

During a storm, there was a massive wreck on the interstate. A fire truck, a police car, and an ambulance all responded to the scene traveling at different speeds. The graph shows the distance traveled by each vehicle.



7. What is the average speed of the fire truck, in miles per hour, in the first 10 minutes after it left the station?

8. What is the average speed of the police car, in miles per hour, in the first 10 minutes after it left the station?

9. What is the average speed of the ambulance, in miles per hour, in the first 10 minutes after it left the station?

10. If the fire truck, police car, and ambulance each have to drive 20 miles to get to the wreck, which vehicle will arrive first? Explain your answer.