

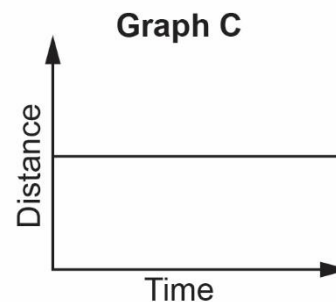
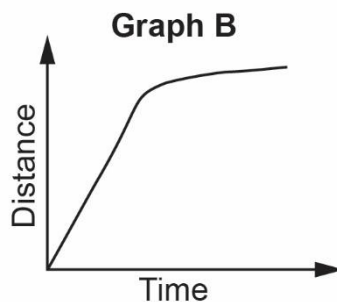
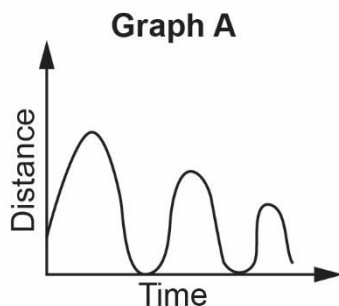
**Algebra**  
**Unit 3 Line Master 5a****Visualizing Situations**

1. Consider this situation:

A basketball player shoots a ball at the net.

Which graph could represent the ball's distance from the player over time?

Explain your thinking.

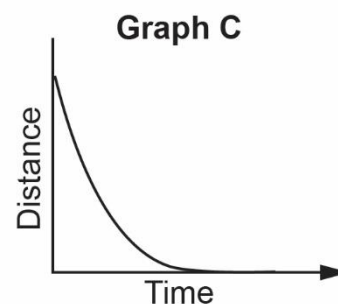
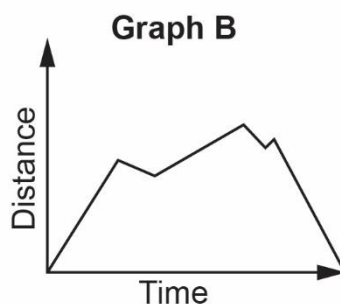
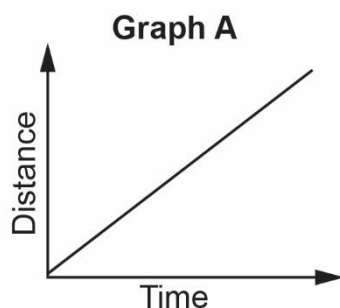


2. Consider another scenario:

A bus leaves the station and travels along its route before returning to the station.

Which graph could represent the bus's distance from the station?

Explain your thinking.



Name \_\_\_\_\_ Date \_\_\_\_\_

**Algebra**  
**Unit 3 Line Master 5b**

## Visualizing Situations (cont'd)

3. Choose one of these situations, then draw a graph to represent it.

- The value of a car over time
- The height of a basketball after each bounce
- The height of a golf ball from the time it is driven to the time it lands
- The average daily temperature over a year for your city
- The cost of participating in yoga classes
- The number of hours worked versus money earned

Is the relation linear or non-linear? Explain.