Name _____ Date _____ Class _____

Practice A
Multiple Representations of Functions

Match each situation to its corresponding graph.
The first one is done for you

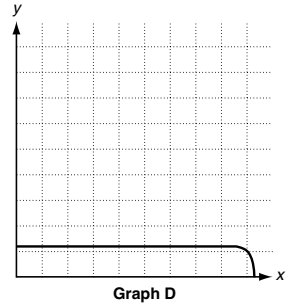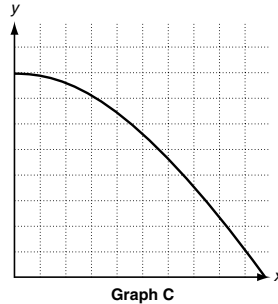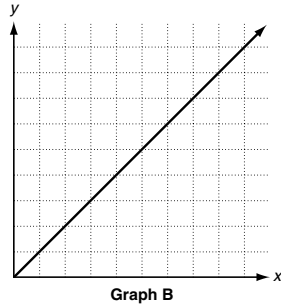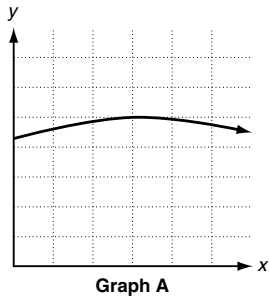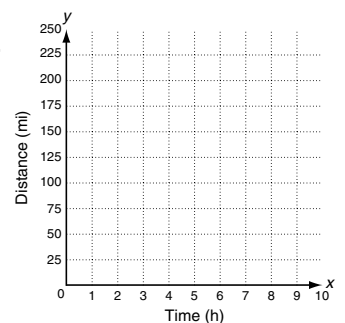|			
Graph A	Graph B	Graph C	Graph D

Graph E	Graph F	Graph G

1. A bowling ball rolls down the alley and drops into a trough behind the pins. Which graph shows a horizontal line that suddenly drops?   **D**

2. As a flower vase is filled with water, the level of the water rises.   _____

3. A football is kicked and then caught by a person who runs down the football field with it.   _____

4. The sales of wide-screen televisions increase rapidly, peak, and then level off.   _____

5. Ice cream sales were steady all day at the music festival.   _____

6. A restaurant opens late in the morning, experiences a lunchtime rush, and then empties right before the dinner rush.   _____

7. The noise level of traffic decreases after the evening rush hour.   _____

Solve.

8. A train begins a trip of 240 miles. The train averages 40 miles per hour including stops. Create a table, a graph, and an equation to represent the distance the train travels in relation to time.
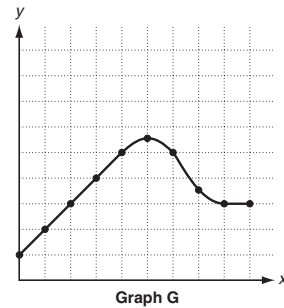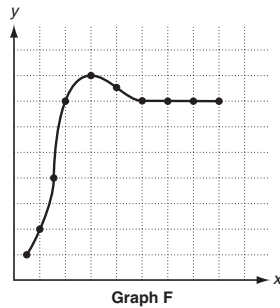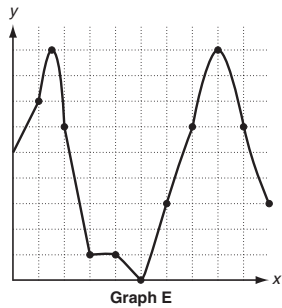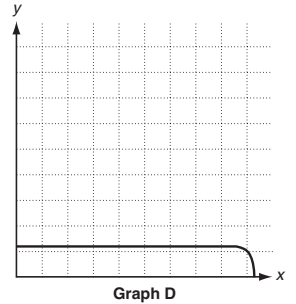
Time (h)	0	1		
Distance (mi)	0			

d = _____

Holt Algebra 2

LESSON 9-1

Practice A
Multiple Representations of Functions

Match each situation to its corresponding graph.
The first one is done for you

Graph A

Graph B

Graph C

Graph D

Graph E
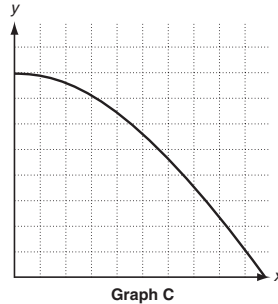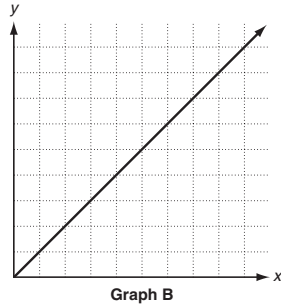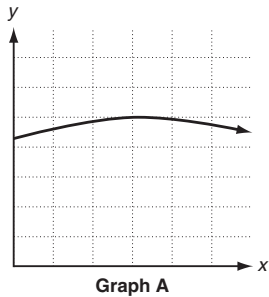
Graph F

Graph G

1. A bowling ball rolls down the alley and drops into a trough behind the pins. Which graph shows a horizontal line that suddenly drops?   **D**

2. As a flower vase is filled with water, the level of the water rises.   **B**

3. A football is kicked and then caught by a person who runs down the football field with it.   **G**

4. The sales of wide-screen televisions increase rapidly, peak, and then level off.   **F**

5. Ice cream sales were steady all day at the music festival.   **A**

6. A restaurant opens late in the morning, experiences a lunchtime rush, and then empties right before the dinner rush.   **E**

7. The noise level of traffic decreases after the evening rush hour.   **C**

Solve.

8. A train begins a trip of 240 miles. The train averages 40 miles per hour including stops. Create a table, a graph, and an equation to represent the distance the train travels in relation to time.

Time (h)	0	1	**2**	**3**
Distance (mi)	0	**40**	**80**	**120**

$d = \mathbf{40}t$

Holt Algebra 2