

Name:

Date:

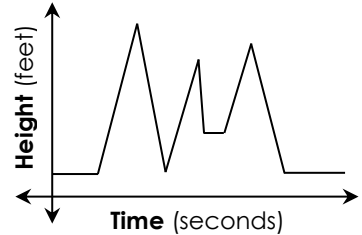
Topic:

Class:

Main Ideas/Questions	Notes/Examples
----------------------	----------------

*Describing*  
**REAL WORLD  
GRAPHS**

1. The graph shows the height of a roller coaster during a single ride. Describe the roller coaster ride.




---



---



---



---



---

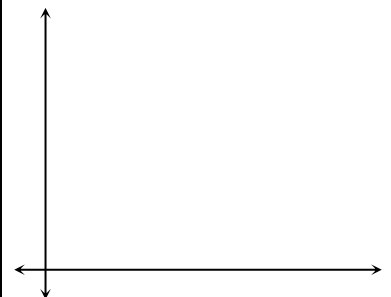
*Drawing*  
**GRAPHS**

**Sketch a graph given each scenario.**

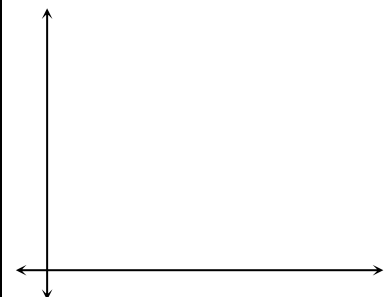
2. In a single day, it snowed lightly during the morning, then heavily for the rest of the day. Graph time on the  $x$ -axis and total snowfall amount on the  $y$ -axis.

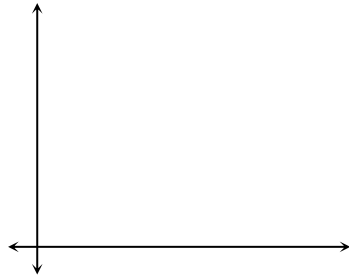
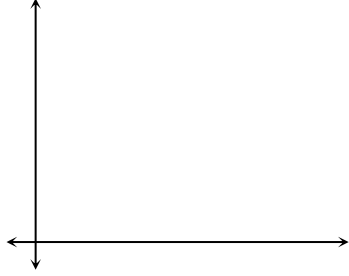

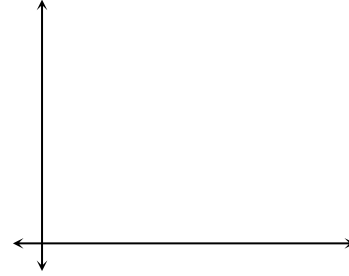


3. Mia bought a painting. The value of the painting dropped by 25% after one year, then increased in value over the next 5 years, reaching a value that was twice what she had paid for it. Graph time on the  $x$ -axis and the value of the painting on the  $y$ -axis.



4. A basketball was dropped out of a window on the second floor of a school onto the concrete below. Each time the ball hit the ground, it bounced and reached a height that was half of the previous bounce. It continued doing this until it settled on the ground. Graph time on the  $x$ -axis and distance from ground on the  $y$ -axis.



	<p>5. Jace is speeding on a highway and gets stopped by a police officer. The officer gives him a ticket and he continues on the highway. Graph time on the <math>x</math>-axis and his speed on the <math>y</math>-axis.</p>	
	<p>6. Carlos is a running back on his football team. He ran the same number of yards in each of the first six games of the season. After the sixth game, he did not play for the rest of the season due to an injury. Graph games on the <math>x</math>-axis and total yards for the season on the <math>y</math>-axis.</p>	
	<p>7. Alice drives a school bus. On her morning route, she stops at every block to let students on. Graph time on the <math>x</math>-axis and the total distance the bus travels on the <math>y</math>-axis.</p>	
	<p>8. Ray started his workout by running on the treadmill. His heart rate rapidly increased and remained high during his run. After the treadmill, he lifted weights. His heart rate increased and decreased during this time.</p>	

Matching  
**GRAPHS**

9. Karrie, Luke, and Mason receive the same allowance each month from their parents. Karrie spent a small amount of her money in the first half of the month, then spent the rest in the second half of the month. Luke steadily spent his money throughout the entire month. Mason rapidly spent all of his month in the first half of the month. Match each child's spending with the correct graph below.

