Find the domain and range of the function represented by the graph. *(Section 5.1)*

1.

2.

3.
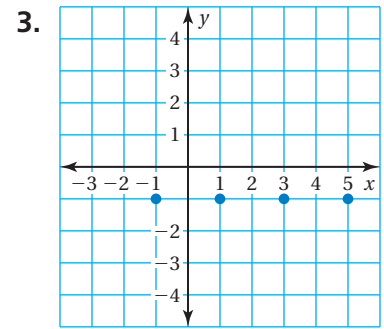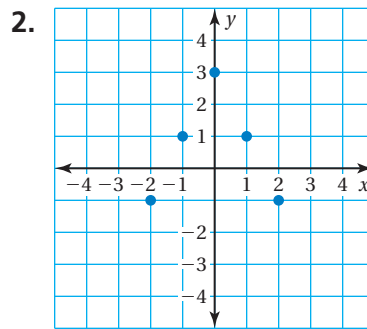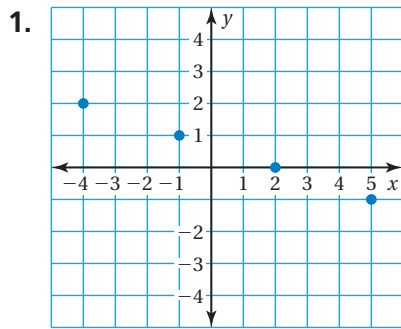
Graph the function. Is the domain discrete or continuous? *(Section 5.2)*

4.

Minutes, x	0	10	20	30
Height, y	40	35	30	25

5.

Relay Teams, x	2	4	6	8
Athletes, y	8	16	24	32

Use the graph or table to write a linear function that relates y to x. *(Section 5.3)*

6.
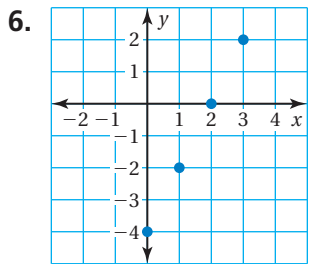
7.

x	y
-3	-3
0	-1
3	1
6	3

8. VIDEO GAME The function $m = 30 - 3r$ represents the amount m (in dollars) of money you have after renting r video games. Graph the function using a domain of 0, 1, 2, 3, and 4. Is the domain discrete or continuous? *(Section 5.2)*

9. ADVERTISING The table shows the revenue R (in millions of dollars) of a company when it spends A (in millions of dollars) on advertising. *(Section 5.3)*

Advertising, A	Revenue, R
0	2
2	6
4	10
6	14
8	18

   a. Write a linear function that relates the revenue to the advertising cost.

   b. What is the revenue of the company when it spends $10 million on advertising?

10. WATER Water accounts for about 60% of a person's body weight. *(Section 5.1)*

   a. Write an equation that represents the water weight y of a person who weighs x pounds. Identify the independent variable and the dependent variable.

   b. Make an input-output table for the equation in part (a). Use the inputs 100, 120, 140, and 160.

   c. Find the domain and range of the function represented by the table.