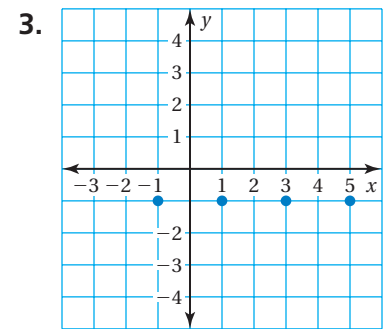
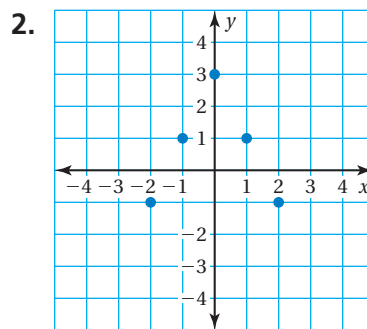
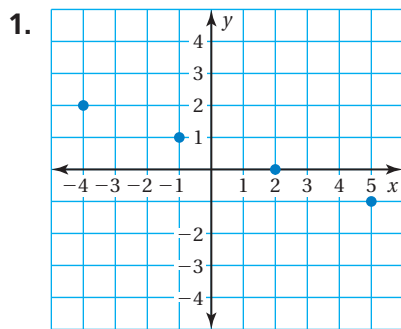


4.1–4.2 Quiz

Find the domain and range of the function represented by the graph. (Section 4.1)



Copy and complete the input-output table for the function. Then find the domain and range of the function represented by the table. (Section 4.1)

4. $y = 5x - 6$

x	0	1	2	3
y				

5. $2x + y = 2$

x	-1	0	1	2
y				

Graph the function. Is the domain of the graph discrete or continuous? (Section 4.2)

6.

Rulers, x	Cost, y
0	0
1	1.5
2	3
3	4.5

7.

Gallons, x	Miles Remaining, y
0	300
1	265
2	230
3	195

8.

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

9.

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

10. **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 of the graph discrete or continuous? (Section 4.2)

11. **WATER** Water accounts for about 60% of a person's body weight. (Section 4.1)

- Write an equation in function form that represents the water weight y of a person that weighs x pounds.
- Make an input-output table for the function in part (a). Use the inputs 100, 120, 140, and 160.

