

Assignment

Date _____ Period _____

Each table represents a relation. Determine the domain and range.

1)

x	y
-7	5
-3	-6
2	-5
3	7
3	-5

- A) Domain: $\{-7, -3, 1, 3\}$
Range: $\{-6, -5, 5, 7\}$
- B) Domain: $\{-3, 0, 2, 3, 6\}$
Range: $\{-6, -5, -1, 7\}$
- C) Domain: $\{-7, -3, -1, 2, 3\}$
Range: $\{-6, -5, 2, 5, 7\}$
- D) Domain: $\{-7, -3, 2, 3\}$
Range: $\{-6, -5, 5, 7\}$

2)

x	y
-1	-3
1	-1
3	6
4	6
6	2

- A) Domain: $\{-1, 1, 3, 4, 6\}$
Range: $\{-3, -1, 2, 6\}$
- B) Domain: $\{-2, -1, 0, 1, 4\}$
Range: $\{-3, -1, 6, 7\}$
- C) Domain: $\{-6, -1, 1, 6\}$
Range: $\{-3, -2, -1, 2, 5\}$
- D) Domain: $\{-1, 1, 3, 5\}$
Range: $\{-7, -3, -1, 0, 6\}$

3)

x	y
-6	5
-5	-3
0	-7
1	-7
7	3

- A) Domain: $\{-6, -5, 0, 1, 7\}$
Range: $\{-7, -3, 3, 5\}$
- B) Domain: $\{-6, -5, 1, 4, 7\}$
Range: $\{-7, -3, 3, 4, 5\}$
- C) Domain: $\{-6, -5, 0, 1\}$
Range: $\{-7, -3, 0, 5\}$
- D) Domain: $\{-6, 0, 1, 4, 5\}$
Range: $\{-7, -4, -1, 5\}$

Each set of ordered pairs represents a relation. Determine the domain and range.

4) $\{(-7, -7), (-5, 0), (1, -2), (1, 1), (5, -3)\}$

- A) Domain: $\{-7, -5, -2, 1, 7\}$
Range: $\{-7, -3, -2, 0, 5\}$
- B) Domain: $\{-7, -5, -3, 1, 5\}$
Range: $\{-7, -3, -2, 0, 3\}$
- C) Domain: $\{-7, -5, 1, 5\}$
Range: $\{-7, -3, -2, 0, 1\}$
- D) Domain: $\{-7, -5, 1, 5\}$
Range: $\{-2, 0, 1, 3, 4\}$

5) $\{(-6, -2), (-2, 1), (0, -2), (2, -2), (3, -7)\}$

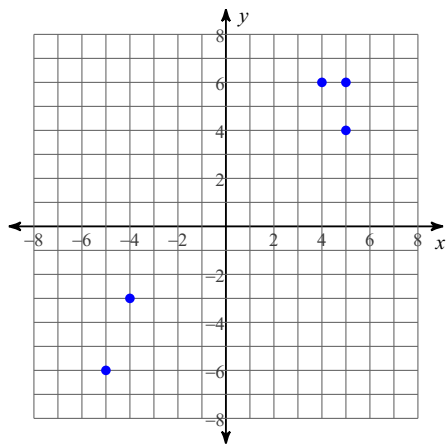
- A) Domain: $\{-6, -2, 0, 3\}$
Range: $\{-7, -3, -2, 1\}$
- B) Domain: $\{-6, -2, 0, 2, 3\}$
Range: $\{-7, -2, 1\}$
- C) Domain: $\{-5, -2, 2, 3\}$
Range: $\{-7, -2, 1, 5\}$
- D) Domain: $\{-6, -2, 0, 3\}$
Range: $\{-7, -2, 1, 6\}$

6) $\{(-4, 1), (0, -6), (3, -5), (4, -3), (7, 1)\}$

- A) Domain: $\{-6, -4, 0, 3, 7\}$
Range: $\{-6, -5, -3, 1\}$
- B) Domain: $\{-4, 0, 3, 4, 7\}$
Range: $\{-6, -5, -3, 1\}$
- C) Domain: $\{-4, 0, 4, 7\}$
Range: $\{-6, -3, 0, 1\}$
- D) Domain: $\{-4, 0, 4, 7\}$
Range: $\{-6, -3, 1, 6\}$

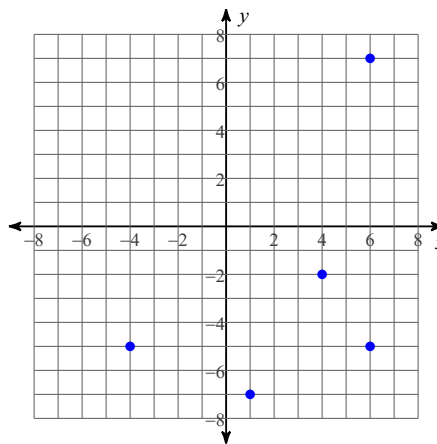
Each graph represents a relation. Determine the domain and range.

7)



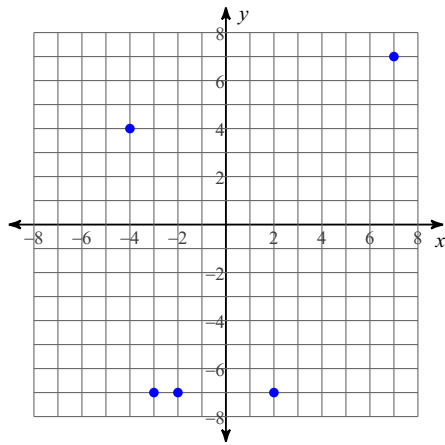
- A) Domain: $\{-4, 4, 5, 7\}$
Range: $\{-3, -2, 6\}$
- B) Domain: $\{-7, -5, -3, 4, 5\}$
Range: $\{-1, 1, 4, 6\}$
- C) Domain: $\{-5, -4, 4, 5\}$
Range: $\{-6, -3, 4, 6\}$
- D) Domain: $\{-5, -4, 5, 6\}$
Range: $\{-6, -3, 4, 6\}$

8)



- A) Domain: $\{-4, 1, 3, 4, 6\}$
Range: $\{-7, -5, -2, 2\}$
- B) Domain: $\{-4, 1, 4, 6\}$
Range: $\{-7, -5, -2, 7\}$
- C) Domain: $\{-7, -4, 1, 4, 6\}$
Range: $\{-7, -5, -2, 5, 7\}$
- D) Domain: $\{-4, 0, 1, 6\}$
Range: $\{-7, -5, -3, 7\}$

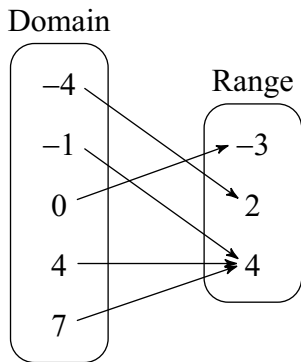
9)



- A) Domain: $\{-4, -3, -2, 2, 7\}$
Range: $\{-7, 4, 7\}$
- B) Domain: $\{-4, -1, 2, 7\}$
Range: $\{-7, -3, 4, 7\}$
- C) Domain: $\{-4, -2, 1, 2\}$
Range: $\{-7, -3, 4, 6\}$
- D) Domain: $\{-5, -4, -3, -2, 7\}$
Range: $\{-7, 0, 4, 7\}$

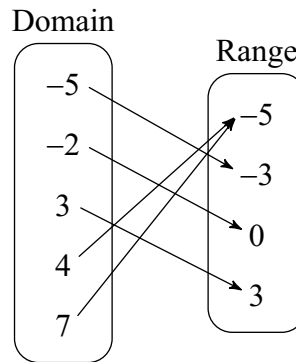
Each mapping diagram represents a relation. Determine the domain and range.

10)



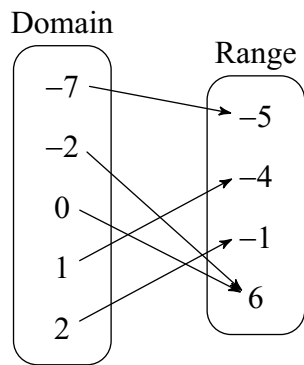
- A) Domain: $\{-4, -1, 0, 4\}$
Range: $\{-3, 0, 2, 4\}$
- B) Domain: $\{-4, 0, 4, 7\}$
Range: $\{-3, 2, 3, 4\}$
- C) Domain: $\{-4, 2, 4, 7\}$
Range: $\{-2, 1, 2, 4\}$
- D) Domain: $\{-4, -1, 0, 4, 7\}$
Range: $\{-3, 2, 4\}$

11)



- A) Domain: $\{-5, -2, 2, 3\}$
Range: $\{-3, 0, 3, 5\}$
- B) Domain: $\{-5, -2, 0, 3, 4\}$
Range: $\{-6, -5, -3, 0, 3\}$
- C) Domain: $\{-5, 0, 3, 7\}$
Range: $\{-5, -4, -3, 3, 4\}$
- D) Domain: $\{-5, -2, 3, 4, 7\}$
Range: $\{-5, -3, 0, 3\}$

12)



- A) Domain: $\{-7, -2, 0, 1, 2\}$
Range: $\{-5, -4, -1, 6\}$
- B) Domain: $\{-7, -3, -2, 2\}$
Range: $\{-7, -5, -1, 5, 6\}$
- C) Domain: $\{-7, -2, -1, 0, 2\}$
Range: $\{-5, -4, -1, 1, 6\}$
- D) Domain: $\{-7, -2, 1, 2, 5\}$
Range: $\{-5, -4, -1, 2, 6\}$