

For each of the following list the domain and range as a set. Determine if the relation is a function and explain your reasoning.

1.

x	y
-4	-5
-3	-8
-2	-11
-1	-14

Domain: _____

Range: _____

Function?: _____

2.

x	y
-1	2
-1	52
1	3
8	22
9	51

Domain: _____

Range: _____

Function?: _____

3. $\{(2, -3), (4, 6), (3, -1), (6, 6), (2, 3)\}$

Domain: _____

Range: _____

Function?: _____

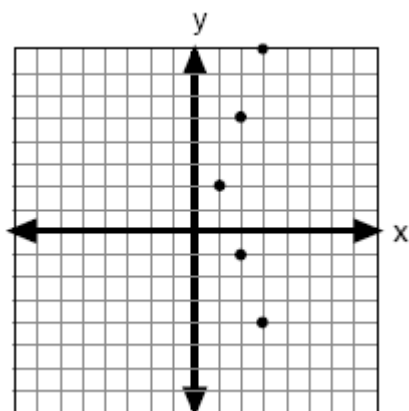
4. $\{(9, 0), (0, 9), (4, 5), (5, 4)\}$

Domain: _____

Range: _____

Function?: _____

5.



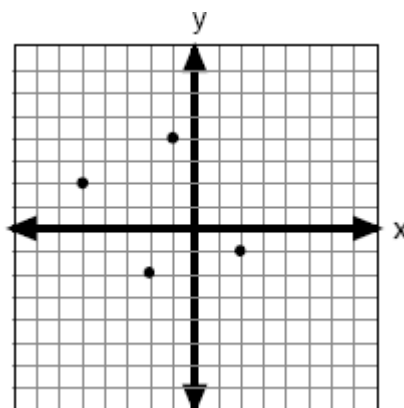
Ordered pairs: _____

Domain _____

Range _____

Function? _____

6.



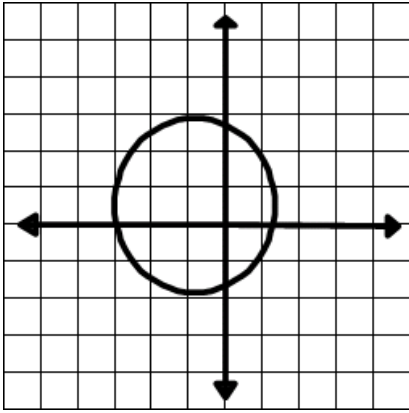
Ordered pairs: _____

Domain _____

Range _____

Function? _____

7.

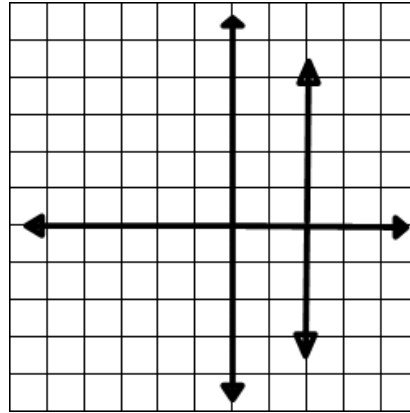


Domain: _____

Range: _____

Function?: _____

8.

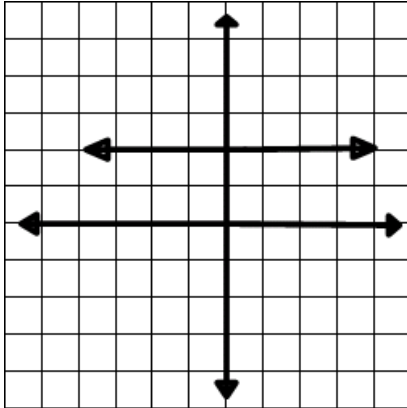


Domain: _____

Range: _____

Function?: _____

9.



Domain: _____

Range: _____

Function?: _____

For questions 10-12, identify the domain and range for the following functions.

10. $f(x) = x + 3$

Domain: _____

Range: _____

11. $f(x) = \frac{2}{x+4}$

Domain: _____

Range: _____

12. $f(x) = \sqrt{x+6}$

Domain: _____

Range: _____