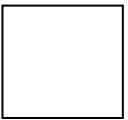


Name: _____

Unit 3: Relations and Functions



Date: _____

Homework 1: Relations, Domain, Range, and Functions

**** This is a 2-page document! ****

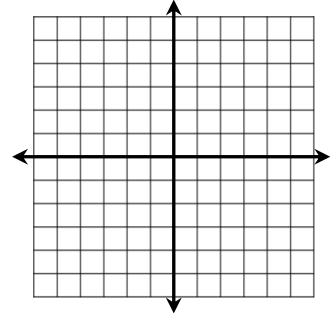
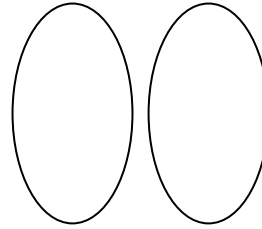
Identify the domain and range, then represent the relation as a table, mapping, and graph.

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

Domain: _____

Range: _____

<i>x</i>	<i>y</i>

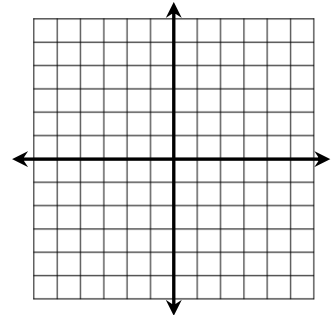
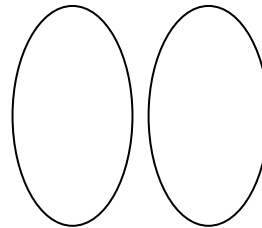


2. $\{(-3, -4), (-1, 2), (0, 0), (-3, 5), (2, 4)\}$

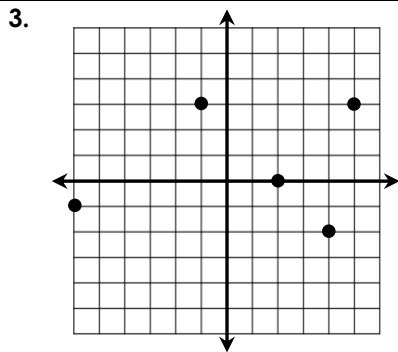
Domain: _____

Range: _____

<i>x</i>	<i>y</i>

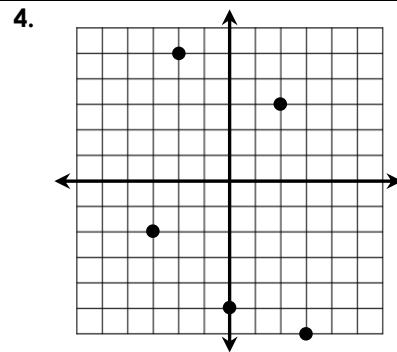


Identify the domain and range of each graph.



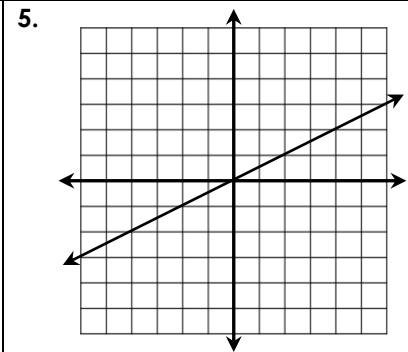
Domain: _____

Range: _____



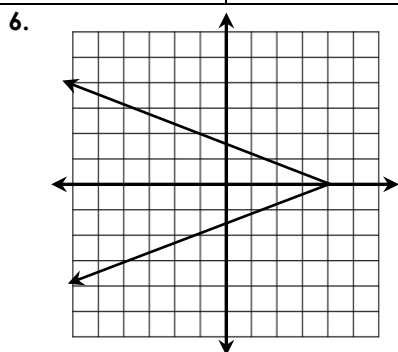
Domain: _____

Range: _____



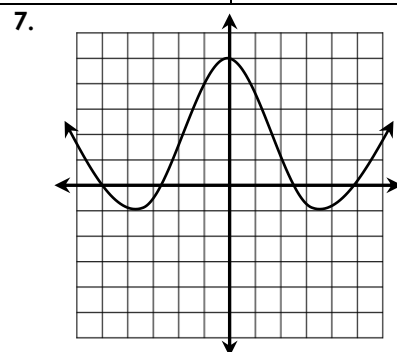
Domain: _____

Range: _____



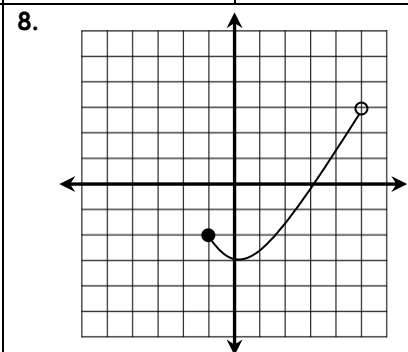
Domain: _____

Range: _____



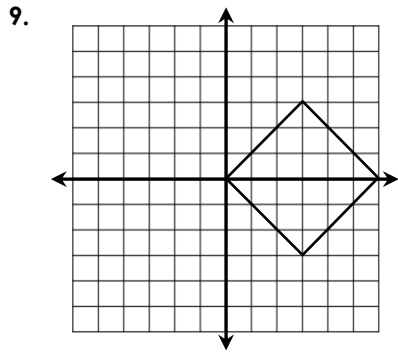
Domain: _____

Range: _____



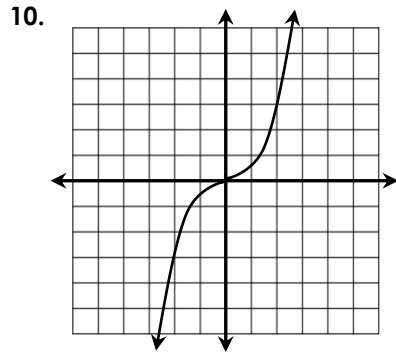
Domain: _____

Range: _____



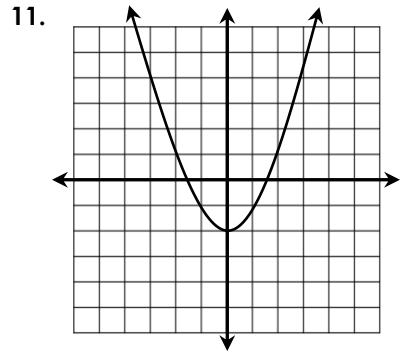
Domain:

Range:



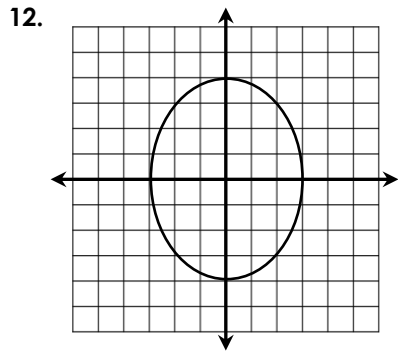
Domain:

Range:



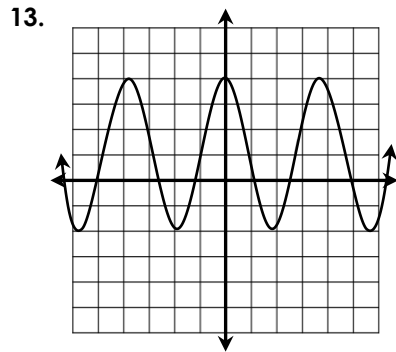
Domain:

Range:



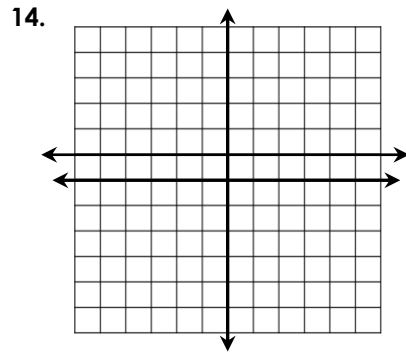
Domain:

Range:



Domain:

Range:



Domain:

Range:

Determine whether the relation represents a function.

15. $\{(-2, 6), (2, 0), (3, 6), (4, -1), (5, 3)\}$

16. $\{(-3, 2), (-2, 2), (1, 2), (-3, 1), (0, 3)\}$

17.

x	y
-2	-3
-1	0
5	5
4	3
-1	7

