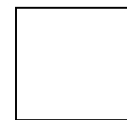


Name: \_\_\_\_\_

Unit 3: Functions & Linear Equations



Date: \_\_\_\_\_ Bell: \_\_\_\_\_

Homework 1: Relations & Functions

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

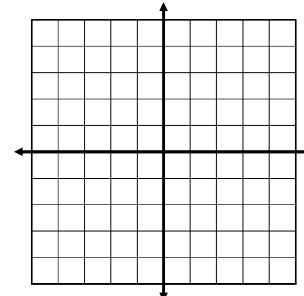
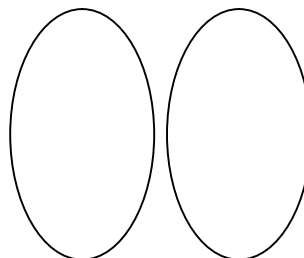
Find the domain and range, then represent as a table, mapping, and graph.

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

Domain = \_\_\_\_\_

Range = \_\_\_\_\_

x	y

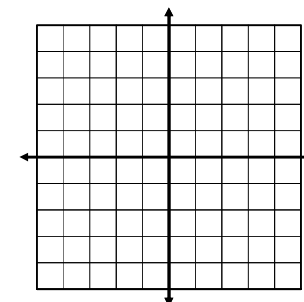
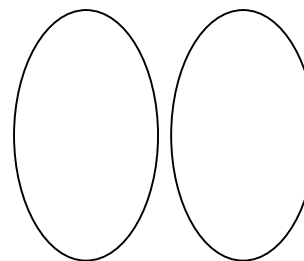


2.  $\{(-3, -4), (-1, 2), (0,0), (-3, 5), (2, 4)\}$

Domain = \_\_\_\_\_

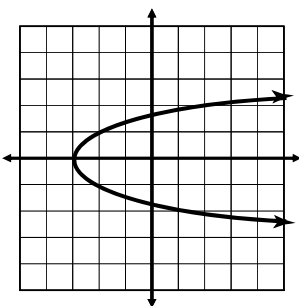
Range = \_\_\_\_\_

x	y



Determine the domain and range of the following continuous graphs.

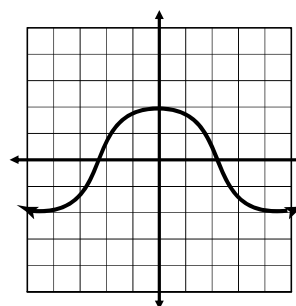
3.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

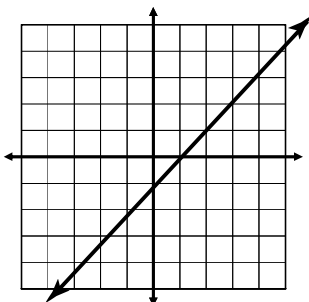
4.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

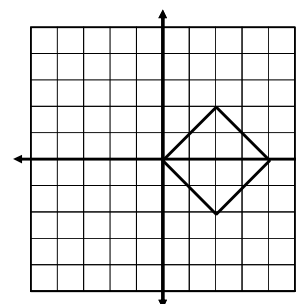
5.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

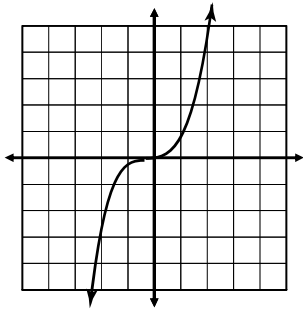
6.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

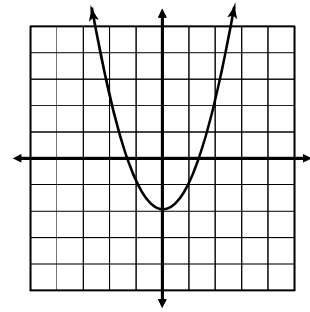
7.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

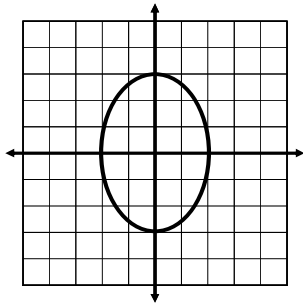
8.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

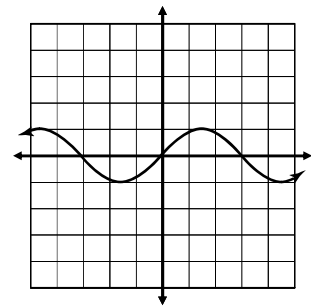
9.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

10.



Domain = \_\_\_\_\_

Range = \_\_\_\_\_

Determine which of the following relations could represent functions.

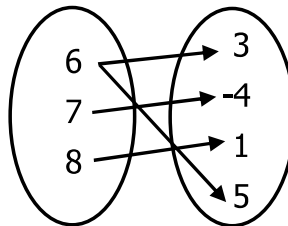
11.  $\{(-2, 6), (2, 0), (3, 6), (4, -1), (5, 3)\}$

13.  $\{(-3, 2), (-2, 2), (1, 2), (-3, 1), (0, 3)\}$

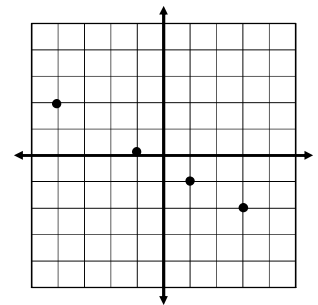
14.

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

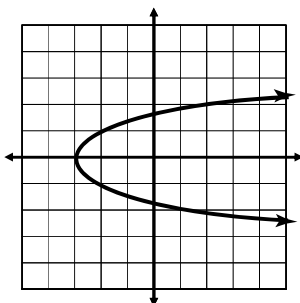
15.



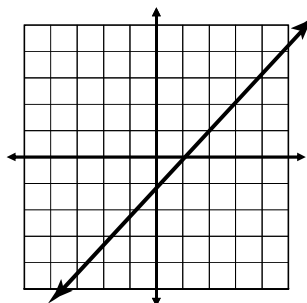
16.



17.



18.



19.

