

Practice – What is a Function/Relation?

p 236

Name _____ Date _____ Period _____

Use the following ordered pairs to identify the Domain and Range, to create a mapping and graph

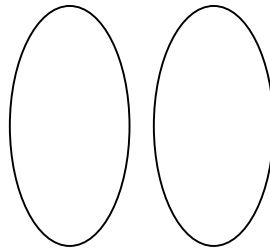
1. $\{(-2, 9), (-1, 3), (0, 1), (1, 3), (2, 9)\}$

a. Identify the Domain and Range

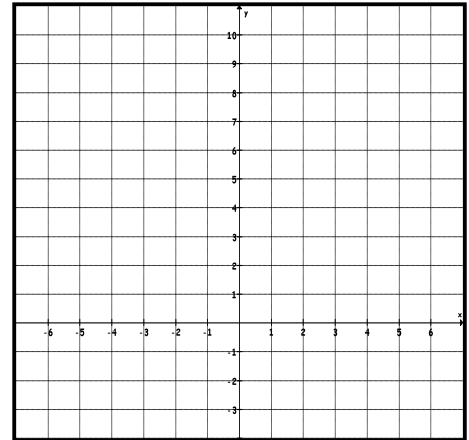
D:

R:

b. Mapping

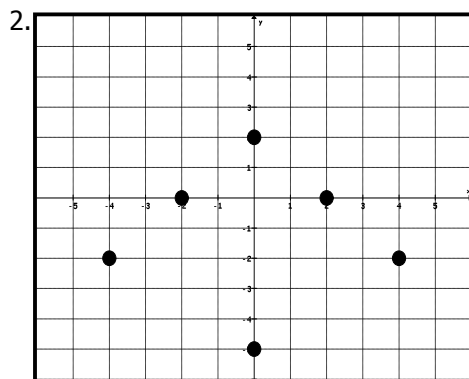


c. Graph



d. Circle one: Function Not a Function

e. Why or why not? _____



a. Identify the ordered pairs shown in the graph

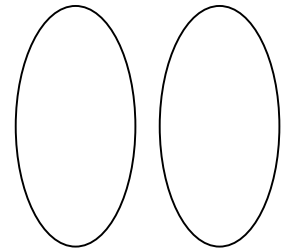
O P:

c. Identify the Domain and Range

D:

R:

b. Mapping



d. Is the relation a function? _____

e. Why or why not? _____

How can you use the vertical line test to verify that the relation is or is not a function? _____

Algebra I - Unit 3: Topic 1 – What is a Function/Relation?

Determine which of the relations below are functions. State *yes* if the relation is a function and *no* if the relation is not a function.

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

4. $\{(4, 8), (-3, -2), (9, 6), (2, -1), (-4, -5), (2, 7), (-8, 0)\}$

5. Which of the following sets does not represent a function?

A $\{(-3, -3), (2, 2), (3, 3), (5, 5), (7, 7)\}$

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

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

D $\{(-8, -5), (-6, -3), (2, 6), (6, -4), (8, 3)\}$

Determine which of the relations below are functions. State *yes* if the relation is a function and *no* if the relation is not a function.

6.

x	y
0	-19
1	-12
2	-4
3	3
4	13
5	27

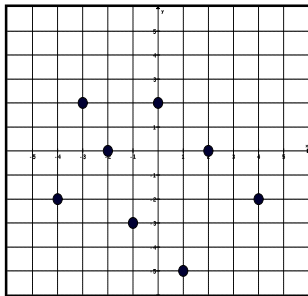
7.

x	y
-5	8
-3	8
-1	-2
1	-2
3	11
5	23

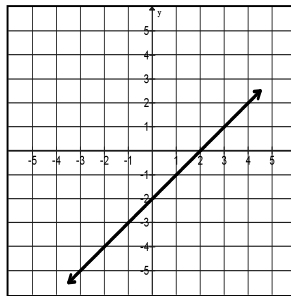
8.

x	y
-2	-7
0	5
-2	-16
2	0
3	6
4	4

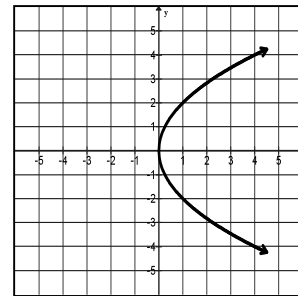
9.



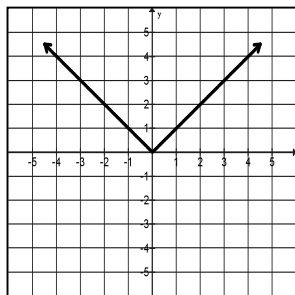
10.



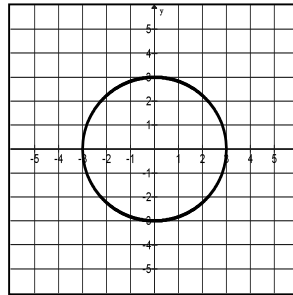
11.



12.



13.



14.

