

WORKSHEET – DOMAINS AND RANGES OF RELATIONS AND FUNCTIONS

Part 1 – Identify Domains, Ranges, and Functions. Identify the domain and range of each relation given below. Then determine if the relation represents a function. Record your answers in the appropriate spaces provided for each problem.

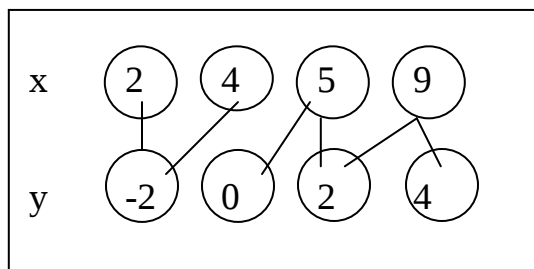
1. $\{(2, 3), (-1, 5), (0, -1), (3, 5), (5, 0)\}$

Domain: _____

Range: _____

Function: yes no

2.

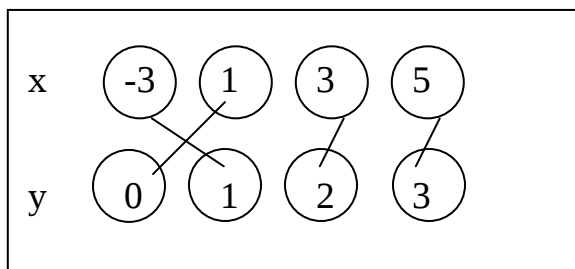


Domain: _____

Range: _____

Function: yes no

3.

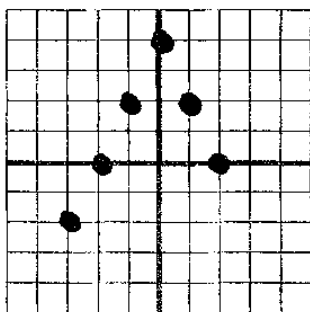


Domain: _____

Range: _____

Function: yes no

4.

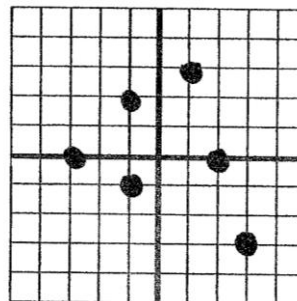


Domain: _____

Range: _____

Function: yes no

5.



Domain: _____

Range: _____

Function: yes no

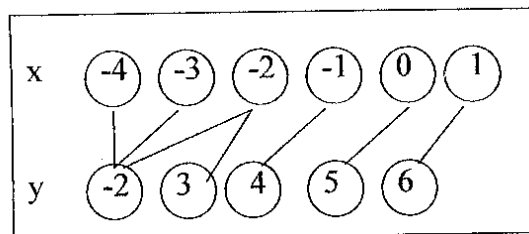
Name: _____ Per: _____ Date: _____

Part 2 – Different Representations. Read each problem carefully and perform the indicated task. Also, for each problem, determine if the relation given represents a function and record your answers in the appropriate spaces provided for each problem.

6. Rewrite the relation given to the right as a set of ordered pairs.

Answer:

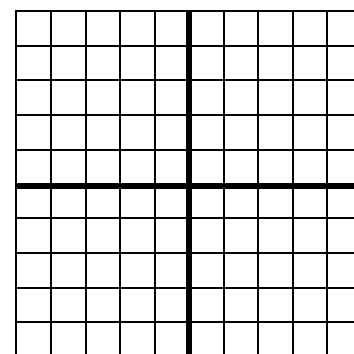
Function: yes no



7. Graph the relation given below on the coordinate plane to the right.

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

Function: yes no



8. Construct a mapping diagram in the space below to represent the following set of ordered pairs.
(2, -1), (3, 2), (5, 4), (3, -1), (6, 5)

Mapping diagram:

Function: yes no

9. Create a table that is equivalent to the relation graphed on the coordinate plane to the right.

Table:

Function: yes no

