

FORMATIVE ACTIVITY

Understanding Relations and Functions

I. DRAG AND DROP.

DOMAIN

INPUT

RANGE

RELATION

OUTPUT

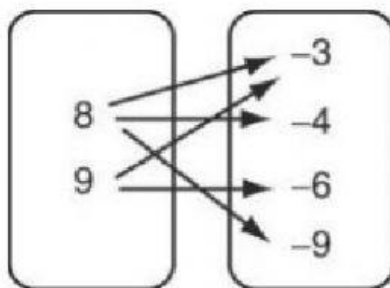
- _____ is a set of order pairs (x, y) .
- X are all the _____ values, and Y are the _____ Value.
- _____ are all the inputs of a relation.
- _____ are all the output of a relation.
- What would be true about a relation that is not a function?

_____.

- Which representation (mapping diagram, table, or graph) do you think makes it easiest to determine if a relation is a function? Why?

_____.

II. GIVE THE DOMAIN AND RANGE OF EACH RELATION. TELL WHETHER A RELATION IS A FUNCTION, EXPLAIN.

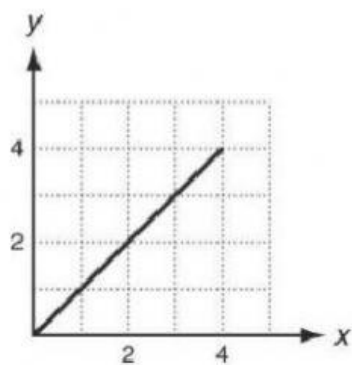


D: _____

R: _____

Function? _____

Why? _____.



D: _____

R: _____

Function? _____

Why? _____

x	y
1	4
2	5
0	6
1	7
2	8

D: _____

R: _____

Function? _____

Why? _____

$\{(1, 2), (2, 2), (3, 3), (4, 3)\}$

D: _____

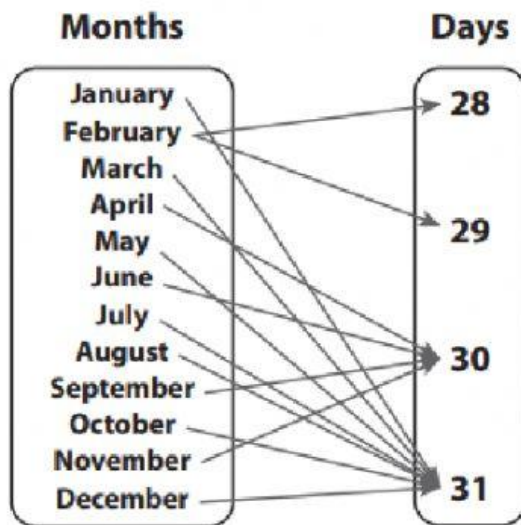
R: _____

Function: _____

Why? _____

III. PROBLEM SOLVING

Examine the mapping diagram. The first set is the months of the year, and the second set is the possible number of days per month. Is the relation a function? Explain.



D: _____

R: _____

Function? _____

Why? _____.

IV. Use the vertical Line test to determine if each relation is a function.

