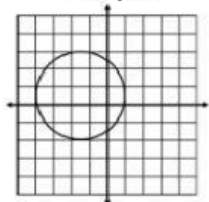


Relations and Functions

A _____ shows a relationship between two values

Ways to represent relations

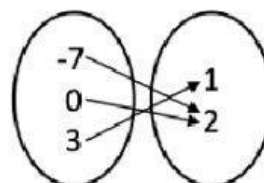
Graph



Table

x	y
3	1
-2	-4
0	2
3	6

Mapping



Ordered Pair

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

Equation

$$y = x^2 - 1$$

A function is a _____ that pairs each _____ with _____ output

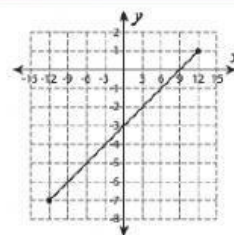
Determine if each relation is a function

$\{(-13, 4), (7, -15), (-13, 9), (6, -12), (-18, 0)\}$

Notes:

x	y
9	-18
-20	0
-6	1
-17	16
9	17
11	19

Notes:



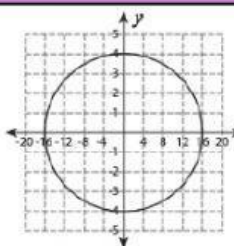
Notes:

$\{(6, 0), (-12, -16), (-6, 10), (20, -7)\}$

Notes:

x	y
-13	2
-10	8
-8	3
12	-9
16	7
18	-2

Notes:



Notes:

$$y = x^2 - 1$$

Notes: