

Functions: Lesson 1

What is a Function?: Notes

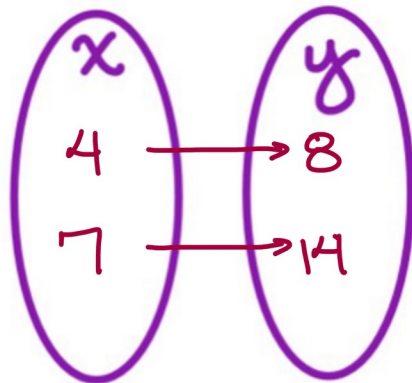
Name: Answers



Relation: Two variables are related to each other.

Shown by...

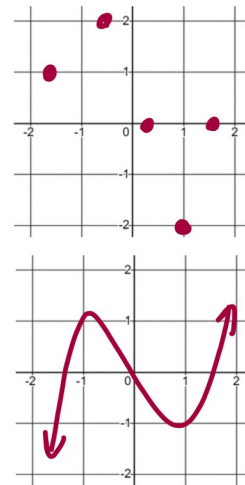
Mapping:



List of Points:

$\{(4,8), (7,14)\}$

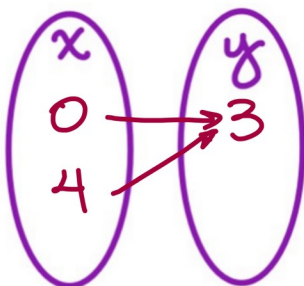
Graphing:



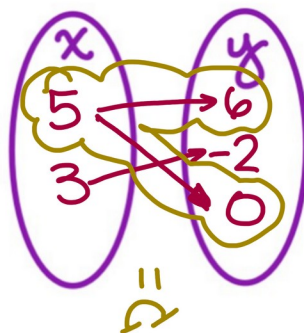
Function: A special type of relation in which each x value corresponds to exactly y y value.
Every time I put in the same x, I always get the same y.

Mapping:

Function:



Not a Function:



Points:

Function:

$(4, -2), (-2, 7),$
 $(7, -2)$
no repeated
x's

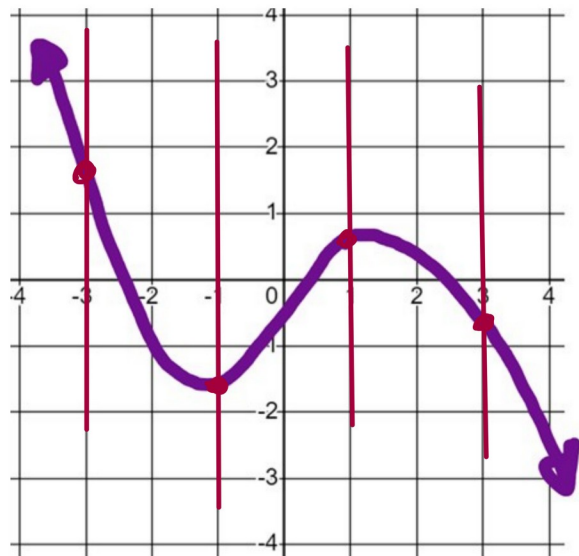
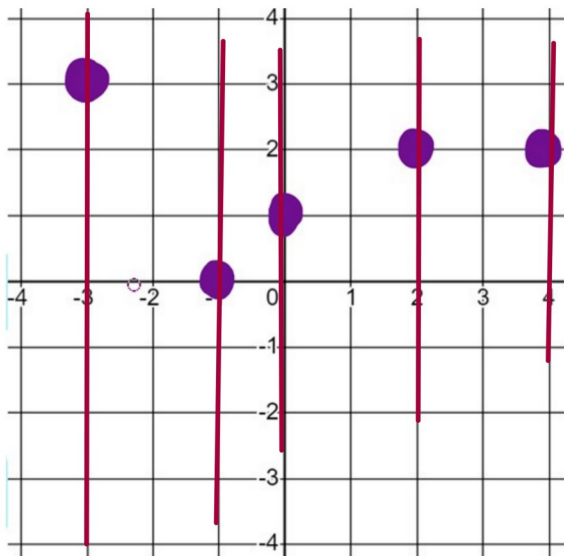
Not a Function:

$(3, 4), (5, 4),$
 $(3, 0)$
x of 3 repeats
and gives us 11
different y's \rightarrow

Graphs: Vertical Line Test

Anywhere I put a vertical line, I can hit the graph no more than one time.

Functions:



Not functions:

