

Name _____

Date _____

Representing Functions with Tables and Graphs

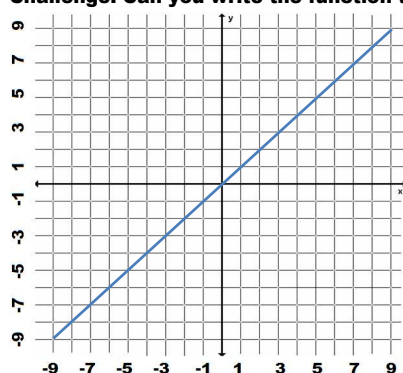
1. Are these equations functions?

equation	function?
$y = 6$	no
$y = 6 + x$	yes
$2y = 2x + 6$	no

2. Determine the Range

Function	Domain	Range
$y = 3x + 5$	0, 1, 6, 7	5, 8, 23, 26
$y = 6 - x$	-2, -1, 0, 1	8, 7, 6, 5
$y = 2x - 15$	5, 10, 15, 20	-5, 5, 15, 25
$y = 6x - 20$	1, 2, 3, 4	-14, -8, -2, 4

3. Challenge: Can you write the function that is graphed below?

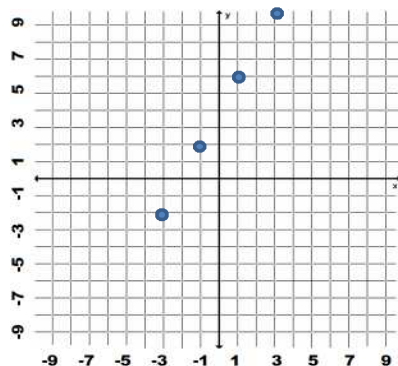


$y = x$

4. Create an input-output table for this function: $y = 2x + 4$. Use a domain of -3, -1, 1, 3

x	y
-3	-2
-1	2
1	6
3	10

5. Create a graph for your Input-Output table from Question #4. (Hint: if it's not a straight line, you made a mistake). What is the range of the function?



Range:	-2, 2, 6, 10
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