

Name: _____



Date: _____

Notes

Algebra Section 1.7

Pages 43-48



Goal: "I will graph ordered pairs (x, y) "

"I will graph functions and visualize trends"

"Determine if a graph represents a function based on the 'vertical line test'"

Graphing Functions:

Example:

Graph the function $y = 3x - 2$ with a domain (input) of 0, 1, 2, 3.

Make a table with the given domain. Input each value to find the output and complete the table

Input (x)	0	1	2	3
Output (y)				

$$y = 3x - 2 \text{ for } x=0$$

$$y = 3x - 2 \text{ for } x=1$$

$$y = 3x - 2 \text{ for } x=2$$

$$y = 3x - 2 \text{ for } x=3$$

Write coordinate pairs with the given domain and range

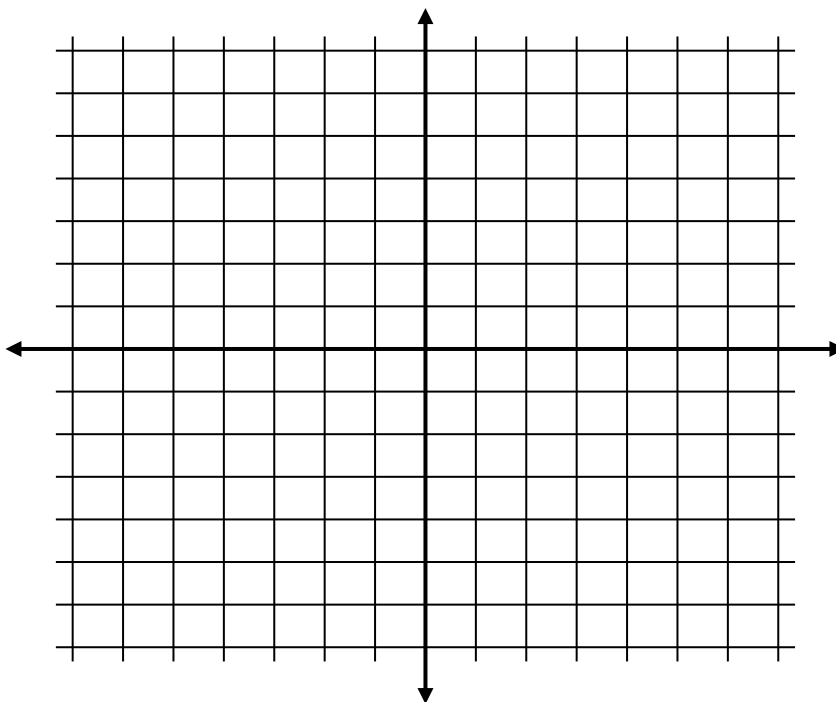
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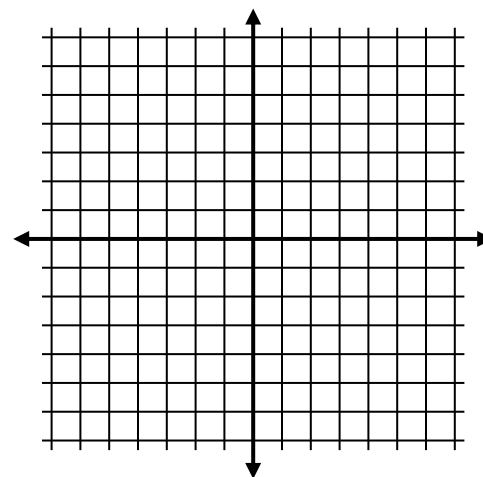
Plot the points



Try These:

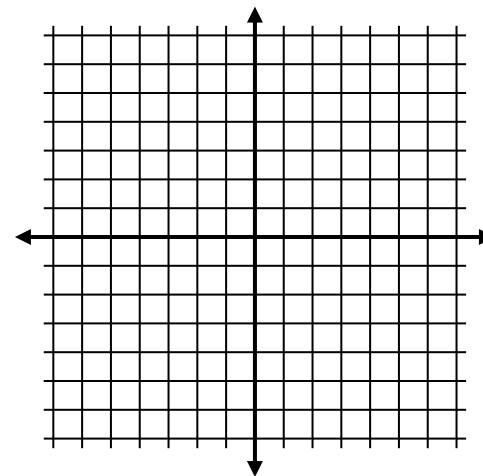
a) Graph the function $y = 2x - 3$
with a domain of 2, 3, 4, 5

Input				
Output				

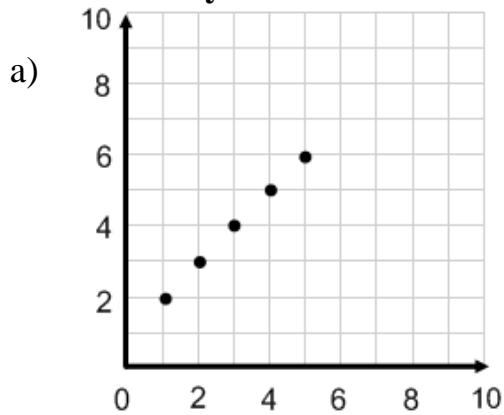


b) Graph the function $y = 2x - 1$
with a domain of 1, 2, 3, 4, 5

Input					
Output					



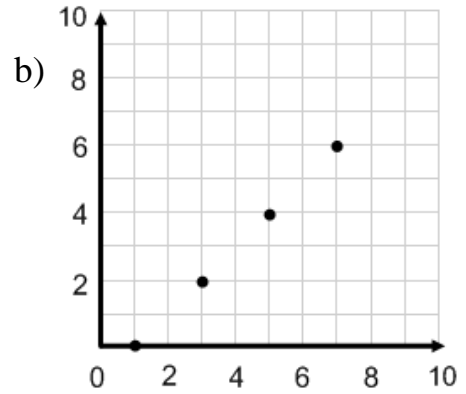
For each graph given, write a rule for the function.
Then identify the domain and range.



Make a table first.

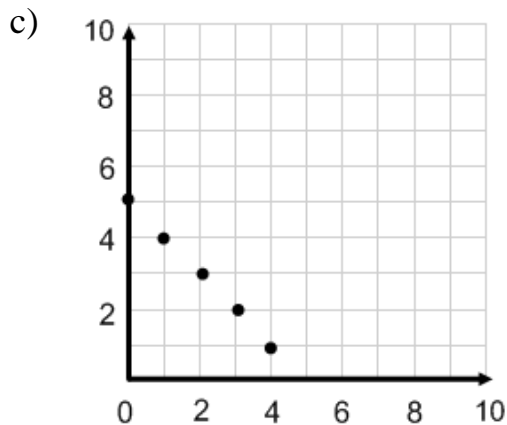
Input					
Output					

Rule:
Domain:
Range:



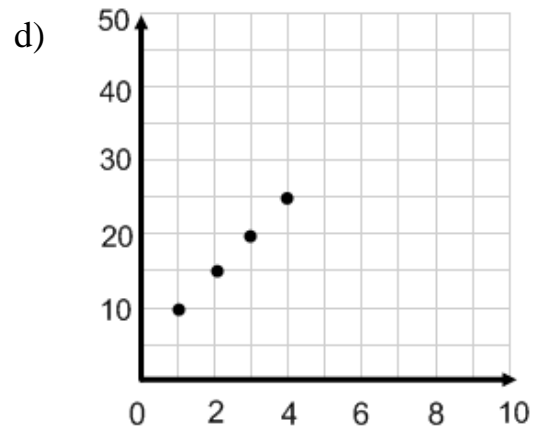
Input					
Output					

Rule:
Domain:
Range:



Input					
Output					

Rule:
Domain:
Range:



Input					
Output					

Rule:
Domain:
Range: