

BAG Notes Lesson 10.1 and 10.2 "Functions"

function - a relationship where one thing depends upon another

function table - a table used to organize the input, rule and output of a function

Complete a function table to find the function values of $\{-1, 0, 1, 2, 3\}$ for $f(n) = n - 3$.

<i>domain</i> Input n	<i>function</i> Rule n - 3	<i>range</i> Output f(n)
-1	-1 - 3	-4 (-1, -4)
0	0 - 3	-3 (0, -3)
1	1 - 3	-2 (1, -2)
2	2 - 3	-1 (2, -1)
3	3 - 3	0 (3, 0)

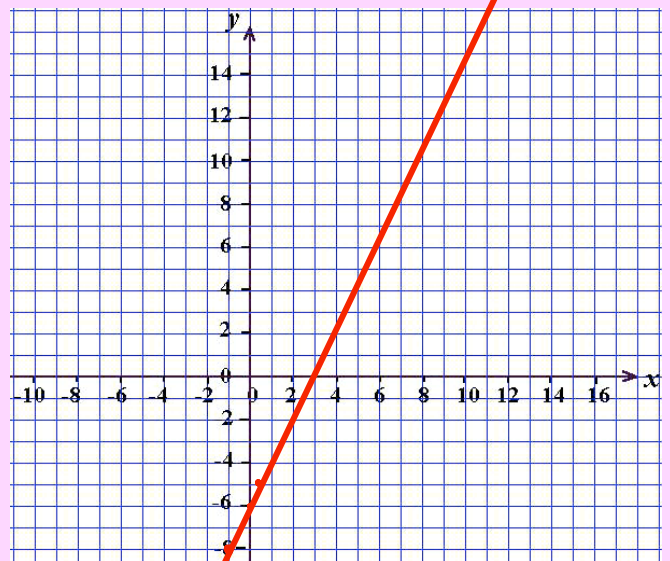
domain - input

range - output

function - rule

Make a function table to find the range of $f(n) = 2n - 6$ if the domain is $\{-2, -1, 0, 1/2, 14\}$. Graph the solution.

Domain n	$2n - 6$	Range $f(n)$
(-2)	$2(-2) - 6$	(-10)
(-1)	$2(-1) - 6$	(-8)
(0)	$2(0) - 6$	(-6)
$(1/2)$	$2(1/2) - 6$	(-5)
(14)	$2(14) - 6$	(22)



Graph the function $f(n) = 2n + 1$.

n	$2n + 1$	$f(n)$	$(n, f(n))$
-1	$2(-1)+1$	-1	$(-1, -1)$
0	$2(0)+1$	1	$(0, 1)$
1	$2(1)+1$	3	$(1, 3)$

