Name: _____ Period: _____

6.2 Classwork

Write a function rule for the statement.

1) The output is 3 more than the input. _____

2) The output is twice the input. _____

3) The output is 3 less than the input. _____

4) Find the value of y for the given value of x.

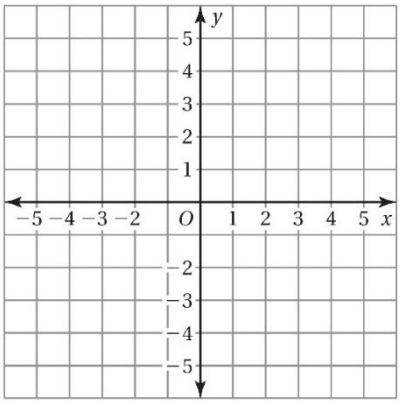
a) $y = -2x + 1$; $x = 2$

b) $y = -2x + 1$; $x = -2$

c) $y = \frac{x}{3}$; $x = -6$

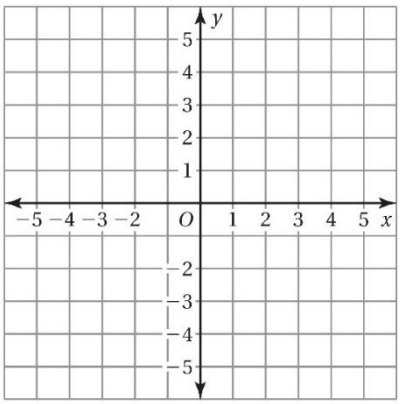
5) Make an input/output table to graph the function → $y = -2x + 1$

x	$y = -2x + 1$	y
-1		
0		
1		



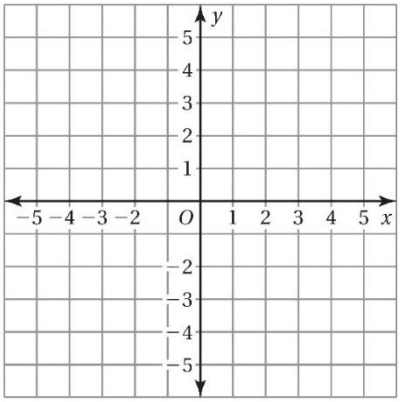
6) Make an input/output table to graph the function → $y = \frac{x}{-2} - 1$

x	$y = \frac{x}{-2} - 1$	y



7) Make an input/output table to graph the function → $y = \frac{2}{3}x$

x	$y = \frac{2}{3}x$	y
-3		
0		
3		



8) A clerk earns $8 an hour.

a) Write a function that relates the earnings E and hours worked h.

b) Identify the independent and dependent variables.

c) Make an input/output table to determine the amount of earnings if the clerk works 0, 1, 2, 5, 10 hours.

h					
E					

d) How much does the clerk earn after working 40 hours?