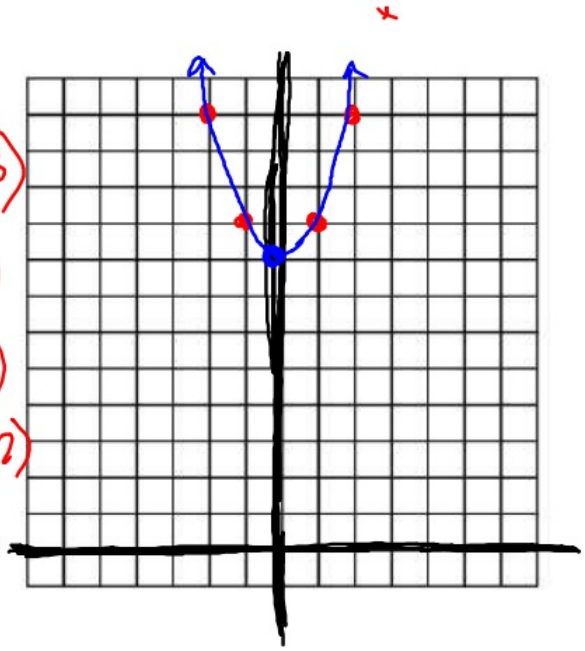
Ex 1: Graphing without a Shortcut:

Graph $y = x^2 + 8$

x	*Work*	y	
5	$y=(5)^2+8$	33	(5,33)
1	$y=(1)^2+8$	9	(1,9)
3	$y=(3)^2+8$	17	(3,17)
-2	$y=(-2)^2+8$	12	(-2,12)
-1		9	(-1,9)
0	0^2+8	8	

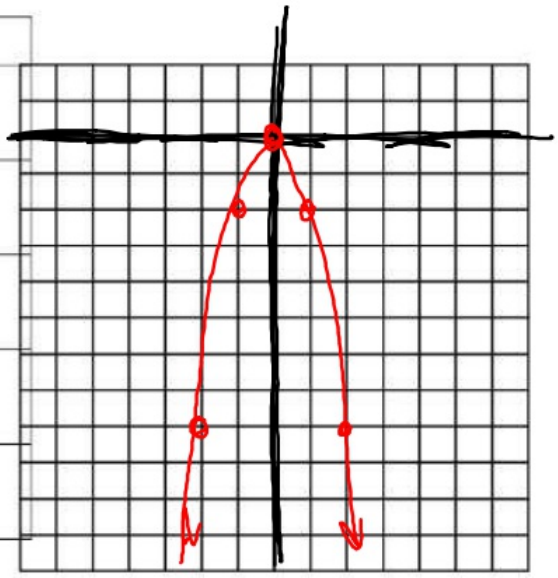


How to use the TABLE on the calculator:

- "TABLE"
- Enter the equation (To get x press "X yzt abc")
- "Enter"
- Start = 0, OK

Graph $y = -2x^2$

x	y
-2	-8
-1	-2
0	0
1	-2
2	-8



Int 2 Acc	Notes 1-4 Graphing Equations Part 1	Unit 1

Linear Equation-

***X*-Intercept-**

Slope-Intercept Form-

Slope (Rate of Change)-

***Y*-Intercept-**

Horizontal:

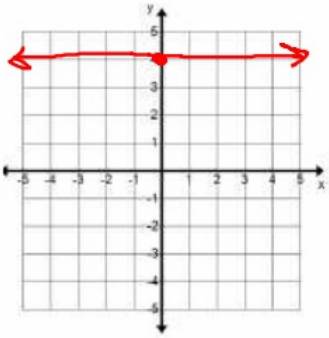
Vertical:

Ex 2: Horizontal & Vertical Lines - Graph the following, then identify the slope, and the y-intercept.

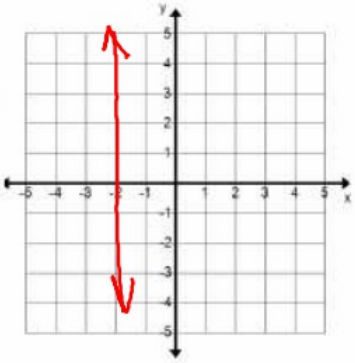
A. $y = 4$

$y = 0x + 4$

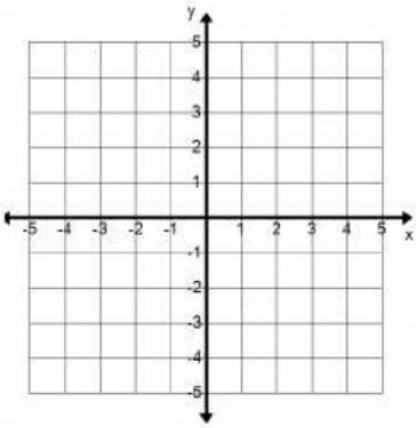
$y = 4$



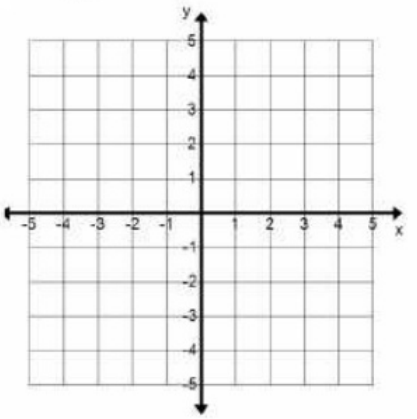
B. $x = -2$



C. $x = -5$



D. $y = -3$



Ex 3: Identify the slope and *y*-intercept from the equation.

A. $y = 4 - 3x$

B. $x = -2$

C. $y = -5x$

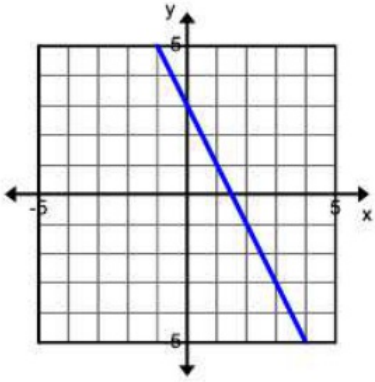
D. $y = \frac{3}{4}x + 11$

E. $y = 7$

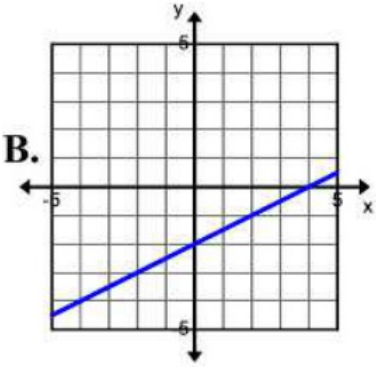
F. $y = x$

Ex 3: Write the equation for each of the following graphs.

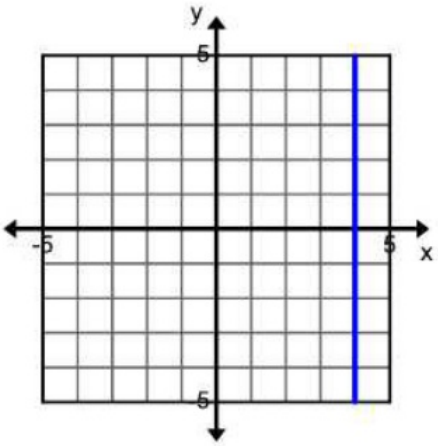
A.



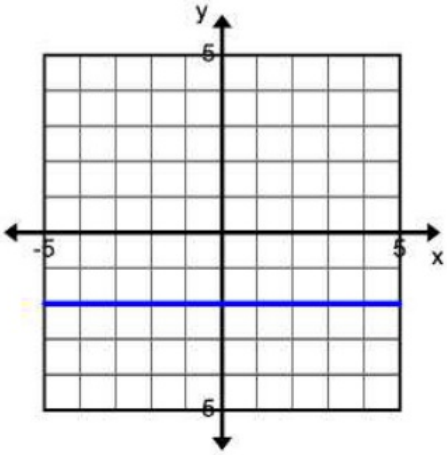
B.



C.



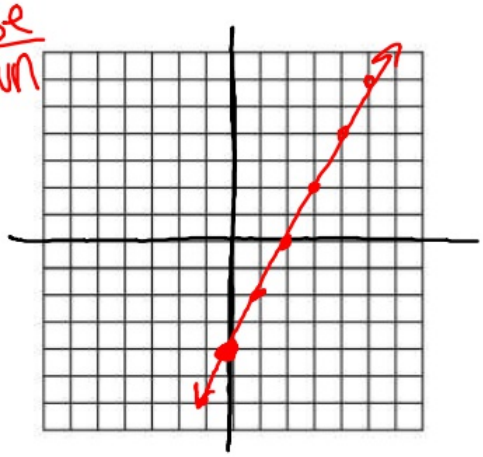
D.



Ex 4: Graph each equation.

A. $y = 2x - 4$ y-int

$\frac{2}{1}$ $\frac{\text{Rise}}{\text{Run}}$



B. $y = -\frac{1}{3}x + 6$ y-int