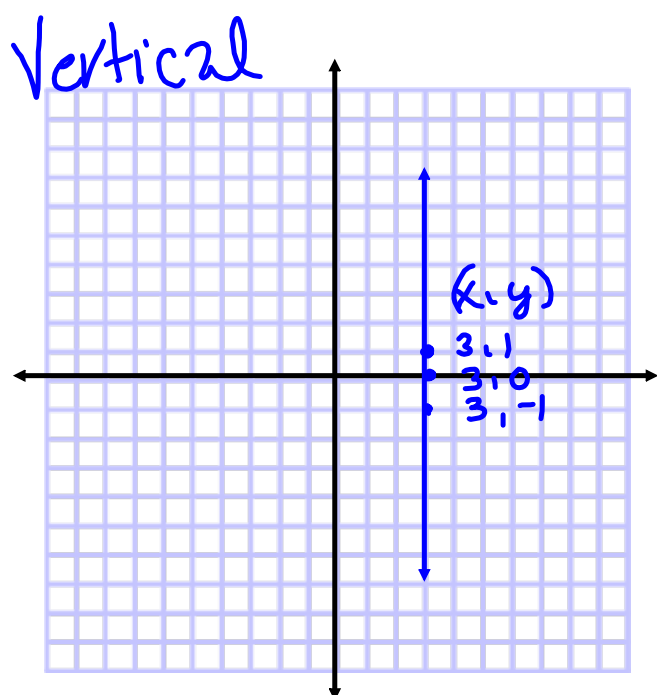


Slope: $\frac{\text{rise}}{\text{run}} = \frac{-4}{5}$

Y-int: 4

Equation: _____

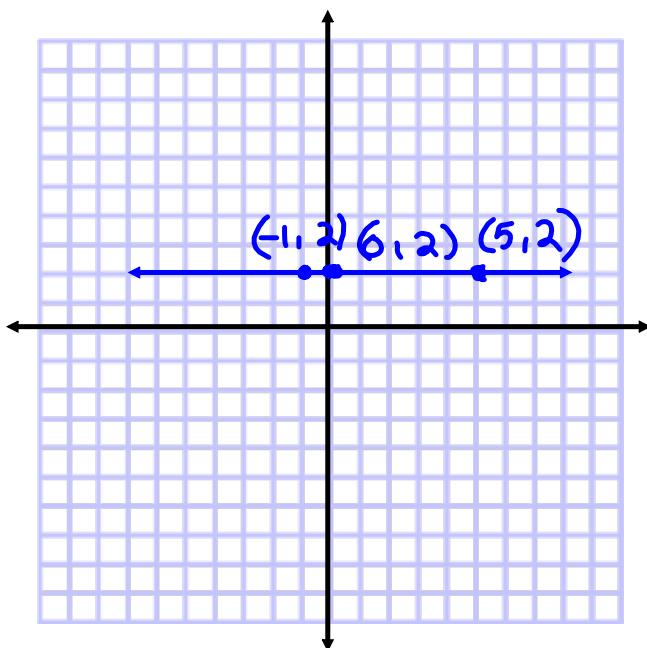
$$y = -\frac{4}{5}x + 4$$



Slope: Undefined

Y-int: None

Equation: $x = 3$

Slope: 0Y-int: 2Equation: $y = 2$

x	y
5	10
6	12
7	14
8	16
9	18

$$y = 2x + 0$$

$$y = 2x$$

Write the equation using x & y .

Pattern (Slope)
= 2

Adjustment (y-int)
= 0

C	h
3	4
4	2
5	0
6	-2
7	-4

$h = -6$ $y = -2x + 10$

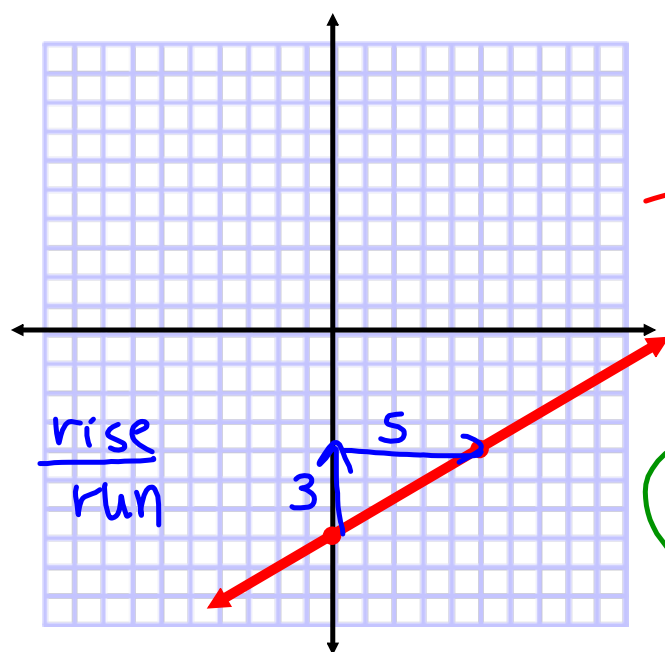
Write the equation using c & h .

Pattern (Slope)
 = -2

Adjustment (y-int)
 = 10

(Note: Red arrows in the table indicate a constant decrease of 2 in the h column for each increase of 1 in the C column.)

Choose the correct equation :)

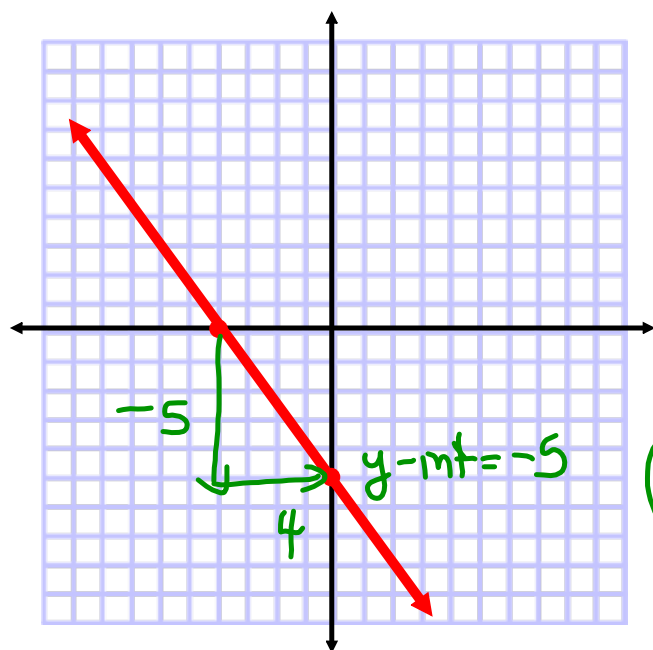


1. ~~$y = -5/3x + 7$~~

2. $y = 5/3x - 7$

3. $y = 3/5x - 7$

Choose the correct equation :)



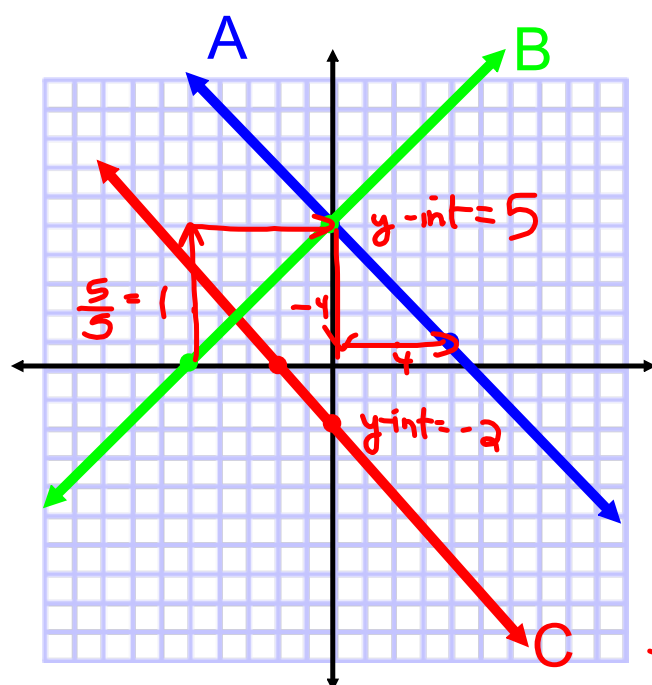
1. ~~$y = -5/4x - 4$~~

2. ~~$y = -5/4x - 4$~~

3. $y = -5/4x - 5$

4. $y = 5/4x - 5$

Choose the correct equation :)



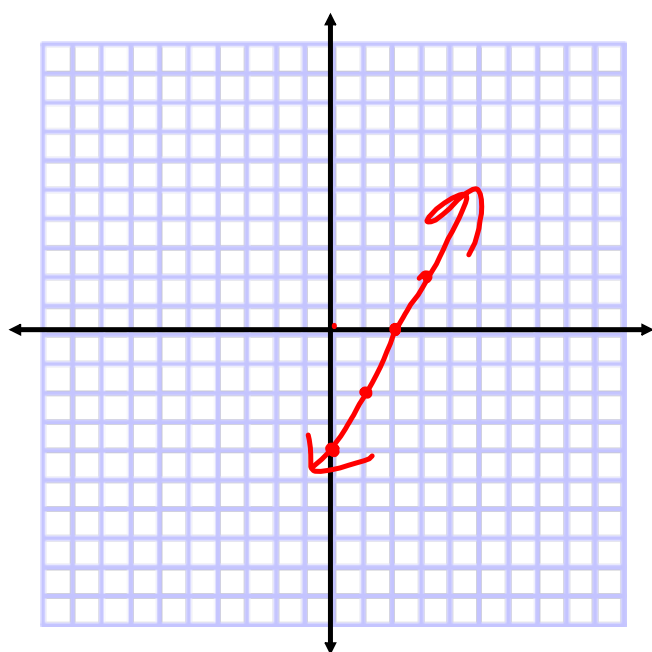
1. $y = x + 5$ B

2. $y = -x - 2$ C

3. $y = -x + 5$ A

~~4.~~ $y = -x - 5$ _____

Graph the following equation: $\frac{2y}{2} = \frac{4x}{2} - \frac{8}{2}$



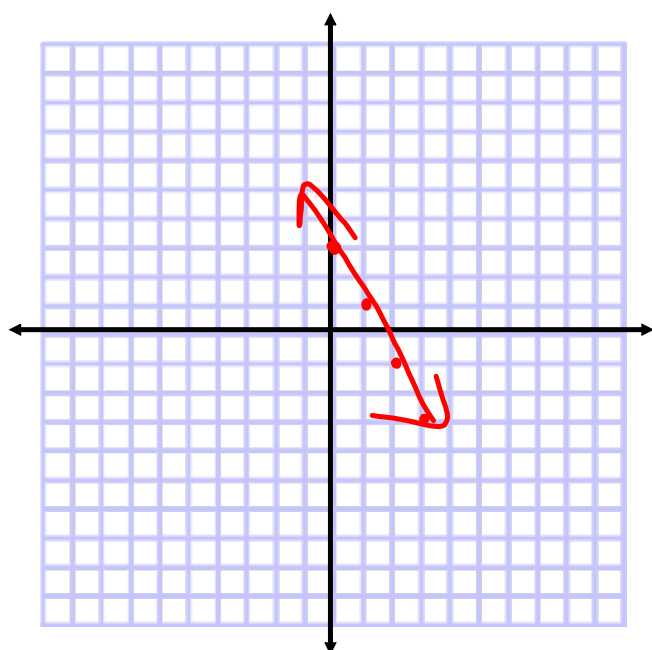
$$y = 2x - 4$$

Slope: $\frac{2}{1}$

Y-int: -4

Equation: $y = 2x - 4$

Graph the following equation: $-1 - 3y = 6x - 10$



$$-3y = 6x - 10 + 1$$

$$\frac{-3y}{-3} = \frac{6x}{-3} - \frac{9}{-3}$$

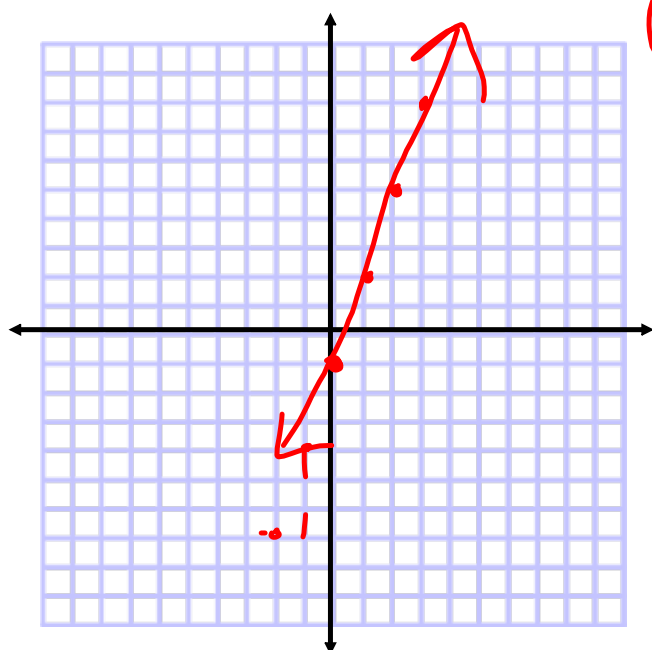
$$y = -2x + 3$$

Slope: $\frac{-2}{1}$

Y-int: 3

Equation: $y = -2x + 3$

Graph the following equation:



$$2 - 4y = -12x + 6$$

$$\frac{-4y}{-4} = \frac{-12x + 6}{-4}$$

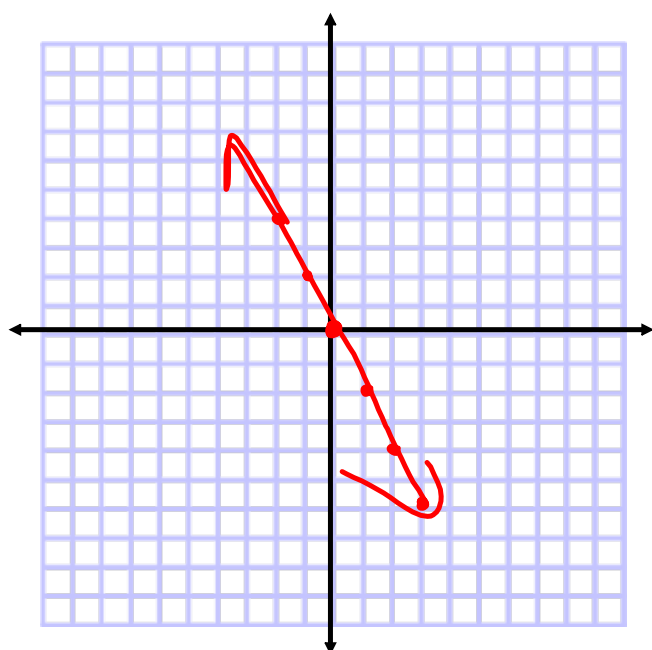
$$y = 3x - 1$$

Slope: 3/1

Y-int: -1

Equation: $y = 3x - 1$

Graph the following equation:



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

$$y + 4 = -2x + 4$$

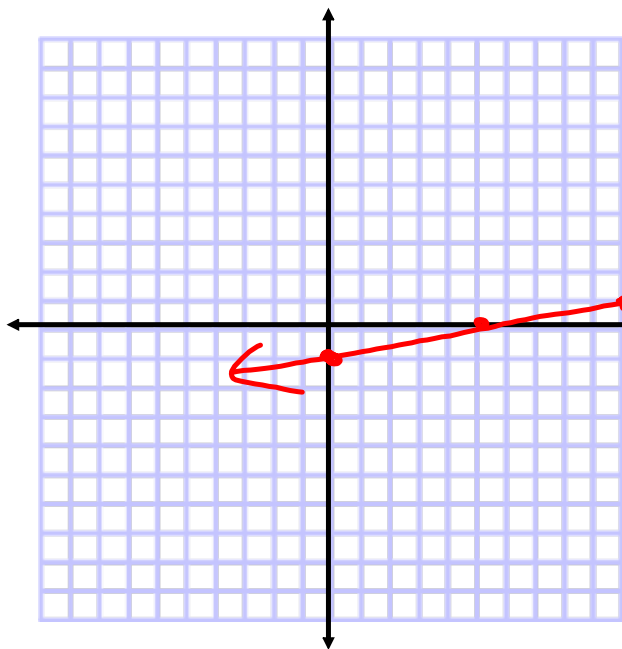
$$y = -2x + 0$$

Slope: $\underline{-2/1 \text{ or } 2/-1}$

Y-int: $\underline{0}$

Equation: $\underline{y = -2x + 0}$

Graph the following equation: $\frac{1}{5}x - y = 1$



$$\frac{1}{5}x - y = 1$$

$$1x - 5y = 5$$

$$\begin{aligned} -5y &= -1x + 5 \\ \frac{-5y}{-5} &= \frac{-1x + 5}{-5} \\ y &= +\frac{1}{5}x - 1 \end{aligned}$$

Slope: $\frac{1}{5}$

Y-int: -1

Equation: $y = \frac{1}{5}x - 1$

y is a "Happy Loner"

Rearrange the following:

1. $4y - 2 = 8x - 6$

2. $5x - y = 4$

3. $9x - 4 = y + 2$

4. $\frac{1}{2} + 4y = 8x - 3$