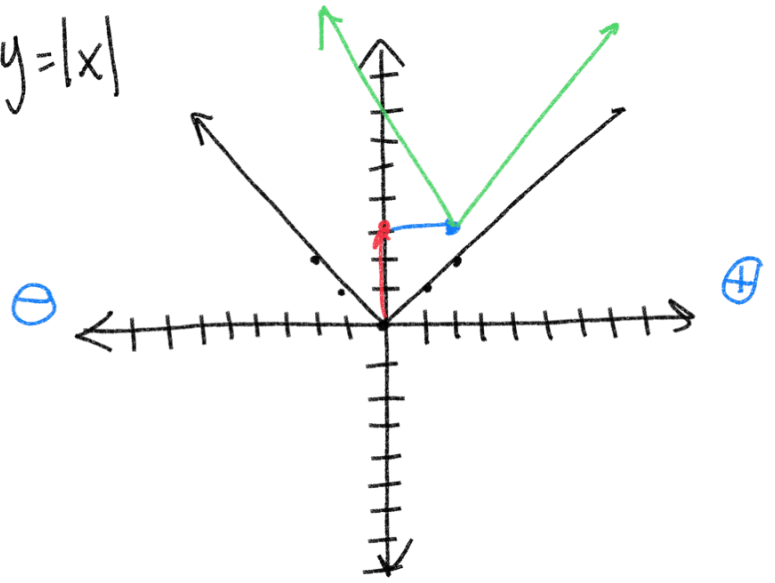


$$y = |x - 2| + 3$$

right 2
up 3

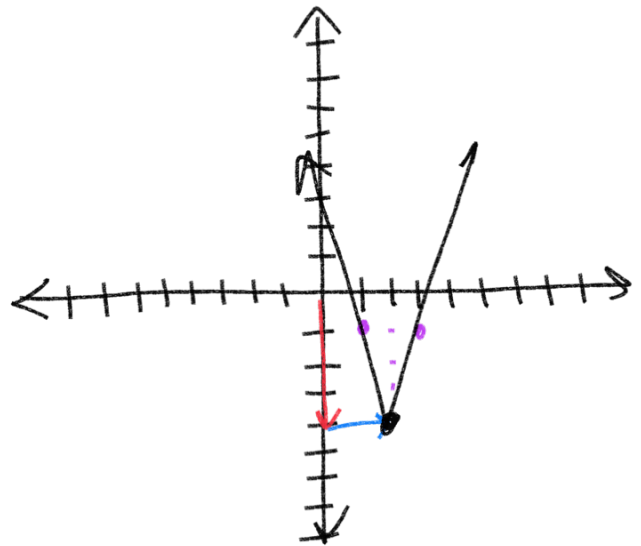
$$y = |x|$$



$$y = \left| \frac{3x-6}{3} \right| - 4$$

$$y = |3(x-2) - 4|$$

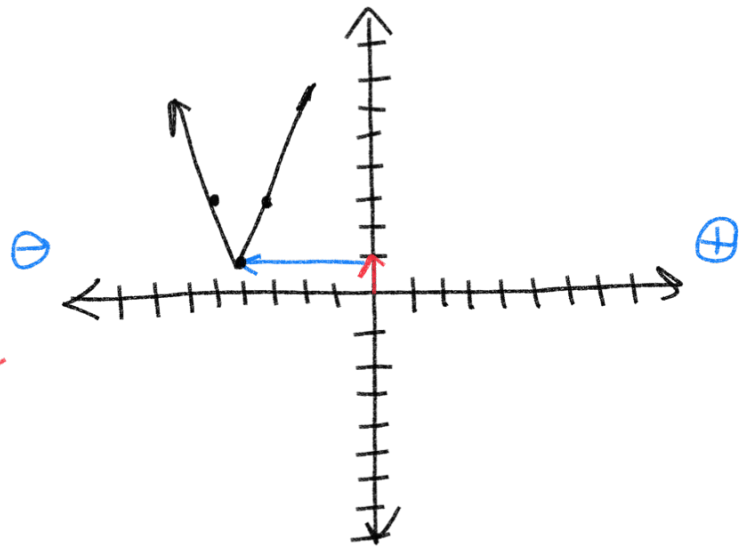
slope
right 2
down 4



$$1.) y = \left| 2x + \frac{8}{2} \right| + 1$$

$$\text{slope } (2) (x + 4) | + 1$$

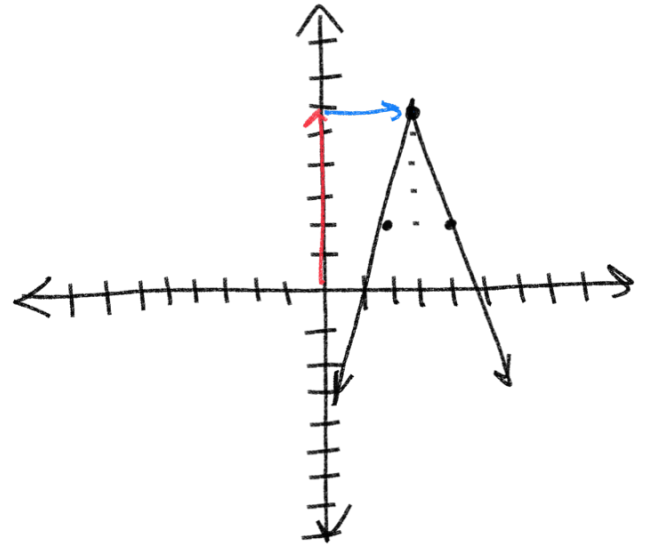
Left 4 up 1



$$2.) - \left| 4x - \frac{12}{4} \right| + 6$$

$$\text{down slope } (4) (x - 3) | + 6$$

right 3 up 6



$$y = \left| \frac{1}{3}x - 2 \right| + 4$$

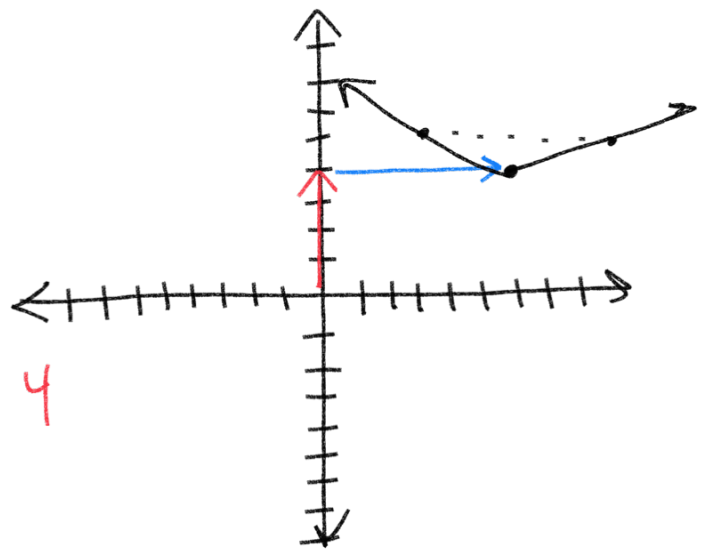
up 1
3 over y

$$\text{slope } \left(\frac{1}{3} \right) (x - 6) | + 4$$

Keep 6 right up 4
Change Flip

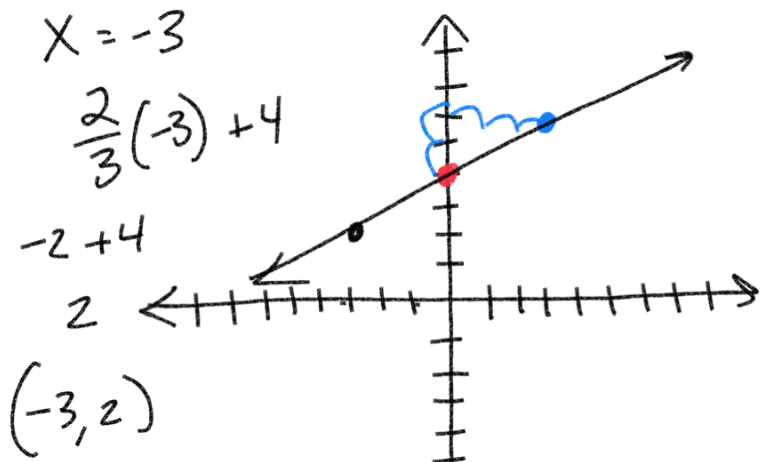
$$\frac{2}{\frac{1}{3}} = 2 \div \frac{1}{3}$$

$$\frac{2}{1} * \frac{3}{1} = \frac{6}{1} = 6$$



$$y = \left(\frac{2}{3}\right)x + 4$$

slope $\frac{2}{3}$ (up 2, 3 right)
 $+4$ y-int



~~scribble~~

$$y \geq \left(\frac{2}{3}\right)x + 4$$

slope $\frac{2}{3}$ (up 2, 3 right)
 $+4$ y-int

$x=0$
 $y=0$

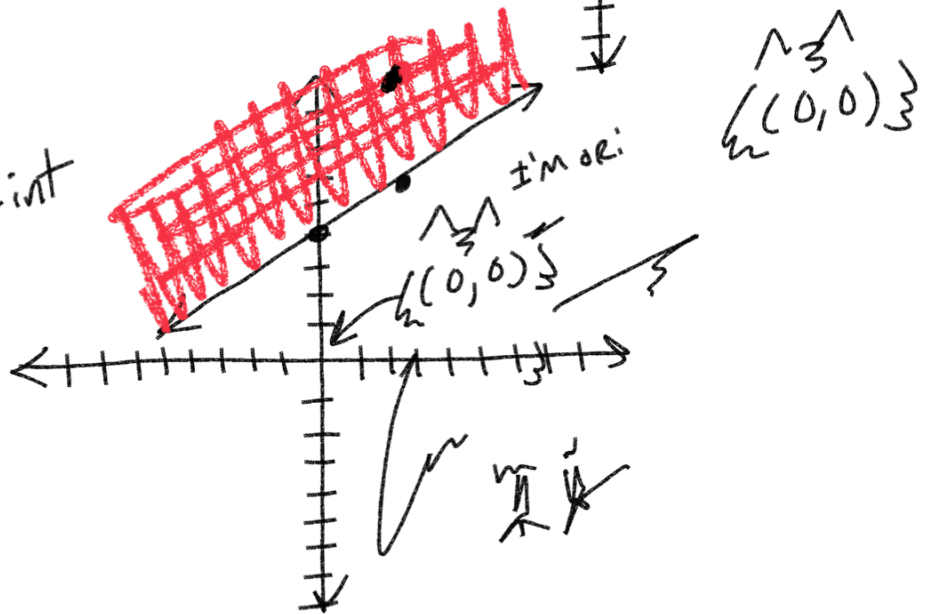
$$y \geq \frac{2}{3}x + 4$$

$$0 \geq \frac{2}{3}(0) + 4$$

$$0 \geq 4 \text{ false}$$

$$y < 3x - 4$$

slope 3 (3 up, 1 right)
 -4 y-int

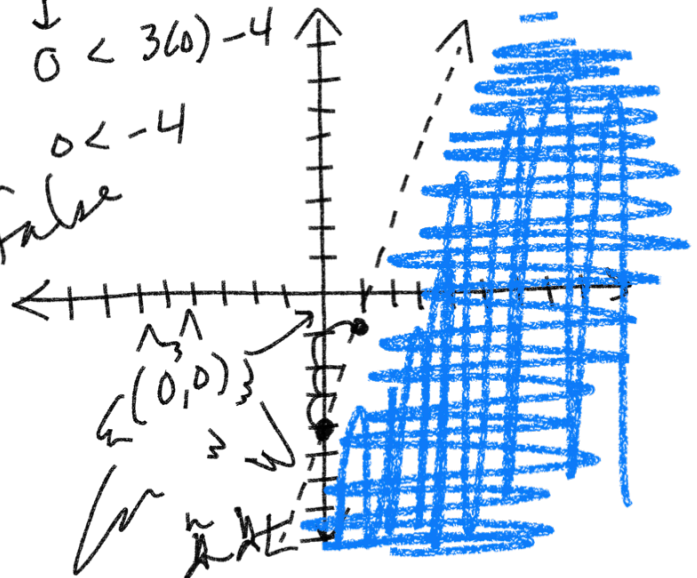


$$y < 3x - 4$$

$$0 < 3(0) - 4$$

$$0 < -4$$

false



$$2x + 3y \geq 6 \quad 2(0) + 3(0) \geq 6$$

$$0 \geq 6$$

Intercept

$$x=0 \quad y=?$$

$$2x + 3y = 6$$

$$2(0) + 3y = 6 \quad (0, 2)$$

$$y=0 \quad x=?$$

$$y=2$$

$$2x + 3(0) = 6$$

$$2x = \frac{6}{2} \quad (3, 0)$$

$$x=3$$

slope-intercept

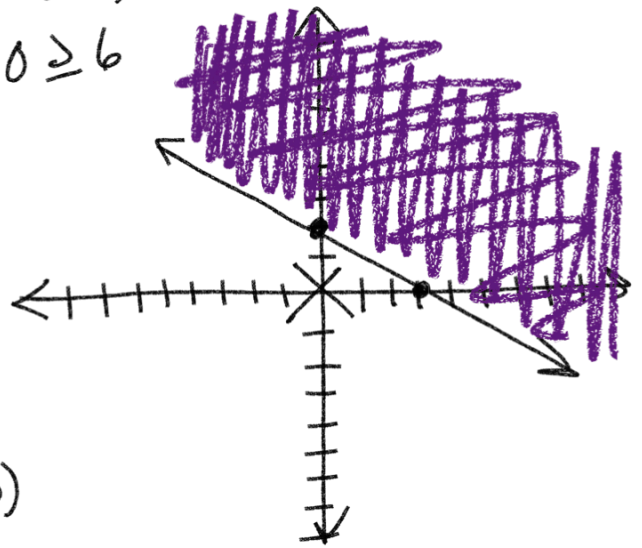
$$y = mx + b$$

$$2x + 3y \geq 6$$

$$-2x \quad -2x$$

$$3y \geq -\frac{2x}{3} + \frac{6}{3}$$

$$y \geq -\frac{2}{3}x + 2$$

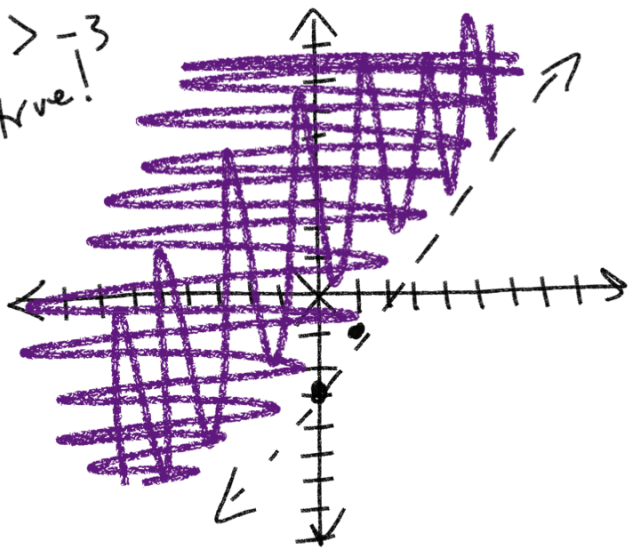


1.) $y > 2x - 3$

$$0 > 2(0) - 3$$

$$0 > -3$$

true!



2.) $y \leq -\frac{2}{3}x + 5$

$$0 \leq -\frac{2}{3}(0) + 5$$

$$0 \leq 5$$

