

Warm up-

On one side of your white board graph these two lines:

1.  $y = \frac{-3x}{1}$

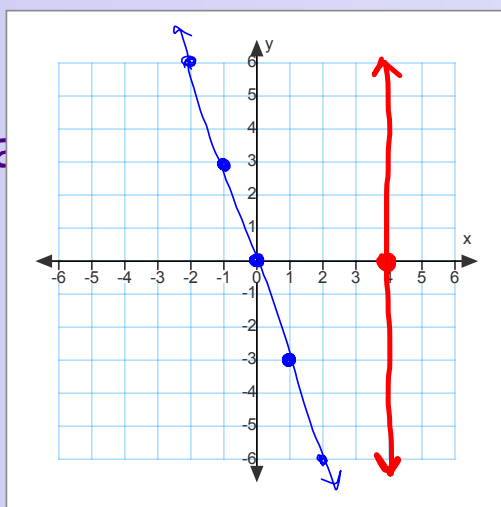
2.  $x = 4$

On the bla

slope of each line.

1. -3 rise

$$\frac{3}{-1}$$



und

What happens when...

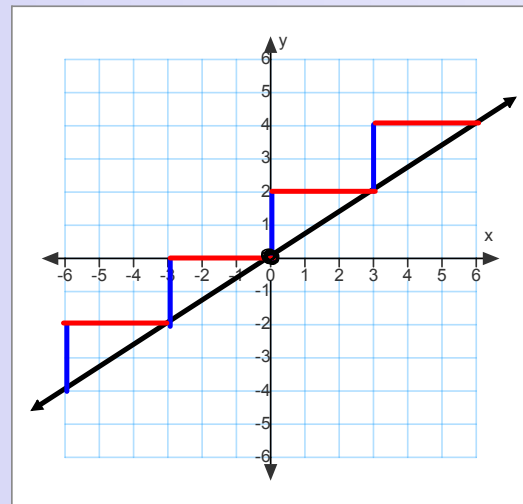
Graph this line to the best of your ability

1.  $y = \frac{2}{3}x$

Lines in the form  $y = mx$  where  $m$  is a fraction already give you the rise and the run.

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

Diagram illustrating the rise and run for the slope  $\frac{2}{3}$ . A blue arrow curves from the denominator 3 to the numerator 2, labeled "rise". A red arrow curves from the denominator 3 to the variable  $x$ , labeled "run".

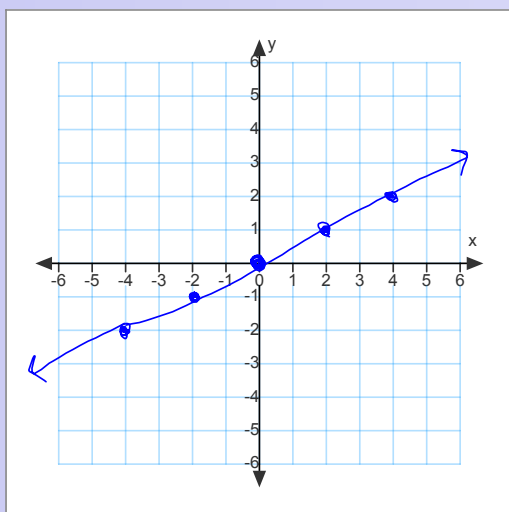


Slope:  $\frac{2}{3}$

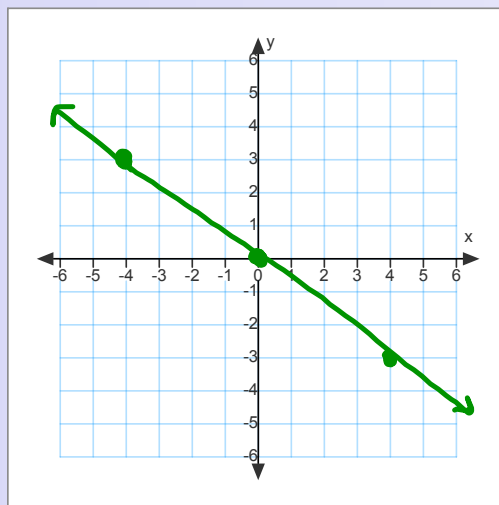
## Graphing Practice

Graph the line on the graph side and write the slope on the blank side.

1.  $y = \frac{1}{2}x$  slope:  $\frac{1}{2}$



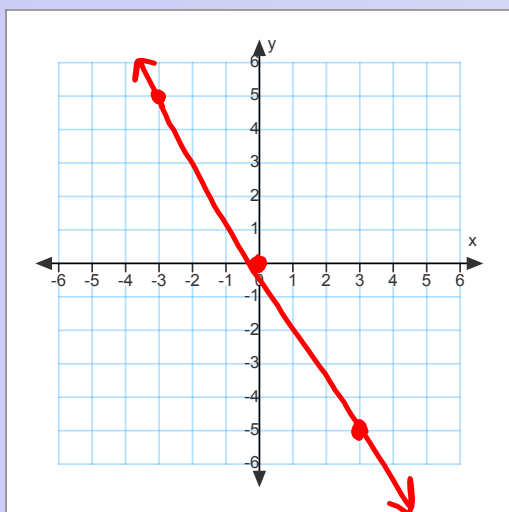
2.  $y = -\frac{3}{4}x$  slope:  $-\frac{3}{4}$   $\frac{3}{-4}$



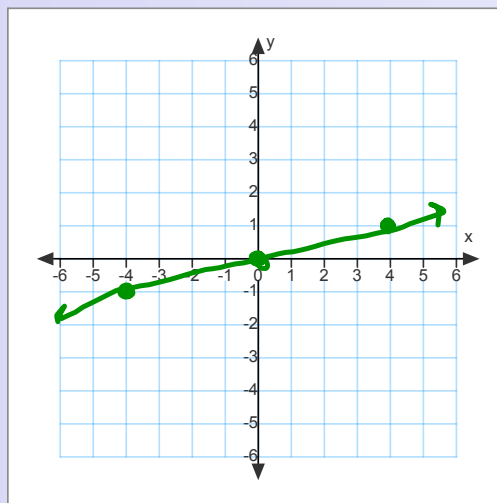
## Graphing Practice

Graph the line on the graph side and write the slope on the blank side.

3.  $y = -\frac{5}{3}x$  slope:  $\frac{-5}{3}$   $\frac{5}{-3}$



4.  $y = \frac{1}{4}x$  slope:  $\frac{1}{4}$

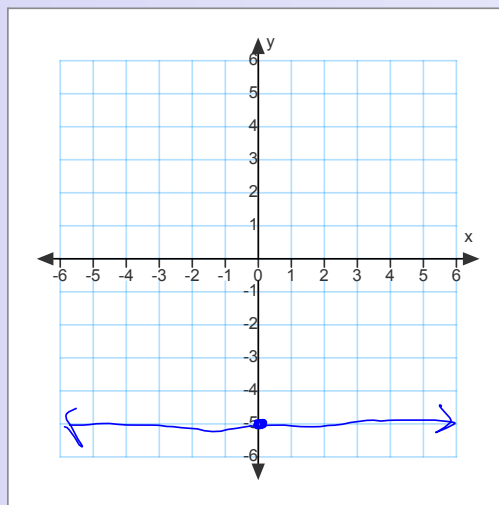
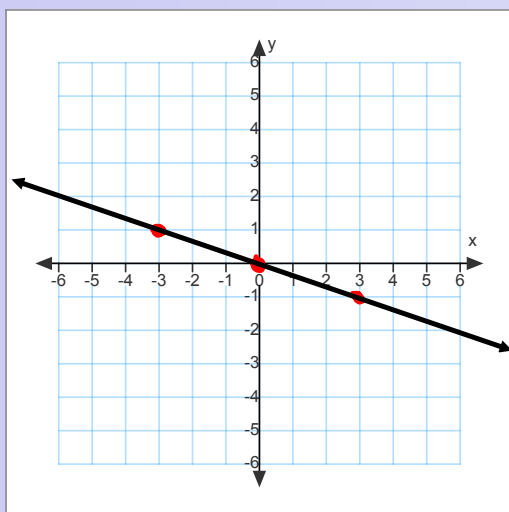


## Graphing Practice

Graph the line on the graph side and write the slope on the blank side.

5.  $y = -\frac{1}{3}x$  slope:  $-\frac{1}{3}$

6.  $y = -5$  slope: 0



## Homework/Classwork

Complete pg 34 in your workbook

- use a straight edge to make your line
- remember to use arrows

**!!DUE TOMORROW!!**





