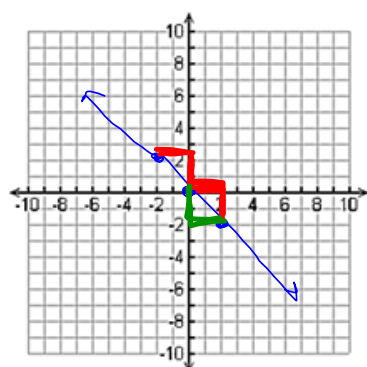


Check Homework

Please get your homework out to check

3. $y = -x$



x	y
-2	2
0	0
2	-2

rise
run

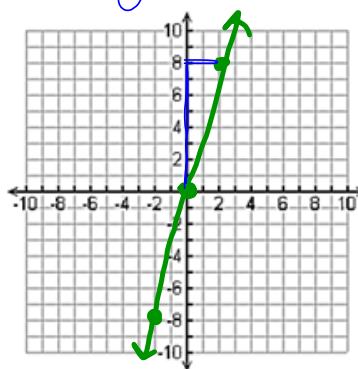
Rise = $\frac{-2}{2}$

Run = $\frac{2}{2}$

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

$-1 = -\frac{1}{1}$

4. $y = 4x$



x	y
-2	-8
0	0
2	8

Rise = $\frac{8}{2}$

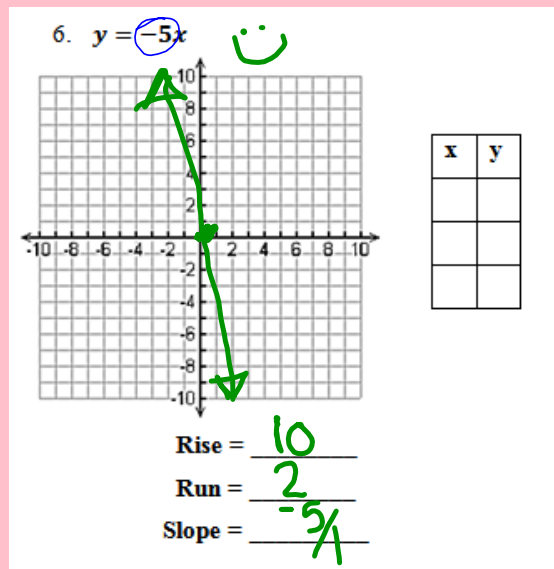
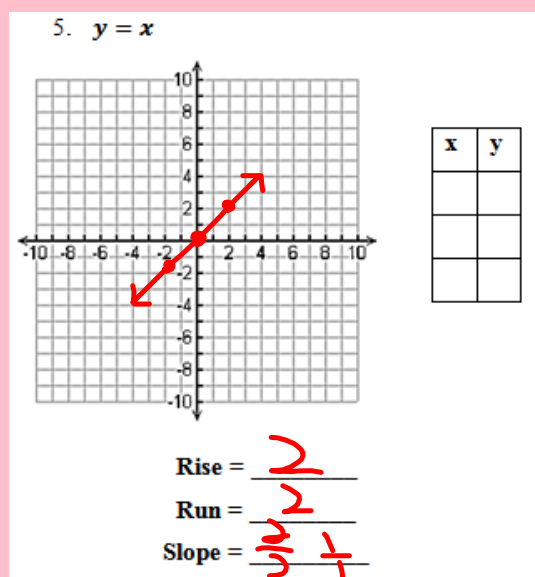
Run = $\frac{2}{2}$

Slope = $\frac{8}{2} = 4$

$4 = \frac{4}{1}$

Check Homework

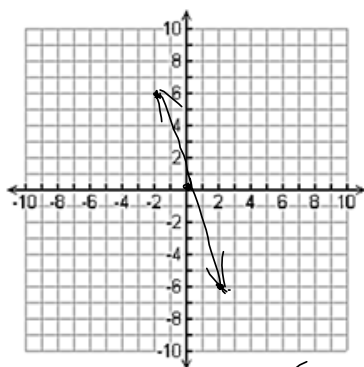
Please get your homework out to check



Check Homework

Please get your homework out to check

7. $y = -3x$



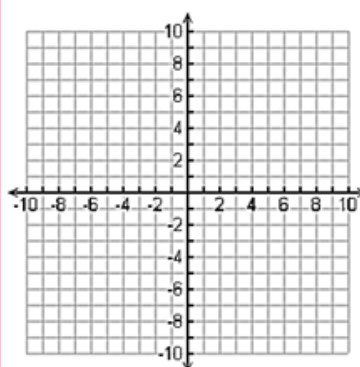
x	y
-2	6
0	0
2	-6

Rise = $\frac{-6}{2}$

Run = $\frac{2}{1}$

Slope = $\frac{-6}{2} = -3$

8. $y = 2x$



x	y

Rise = _____

Run = _____

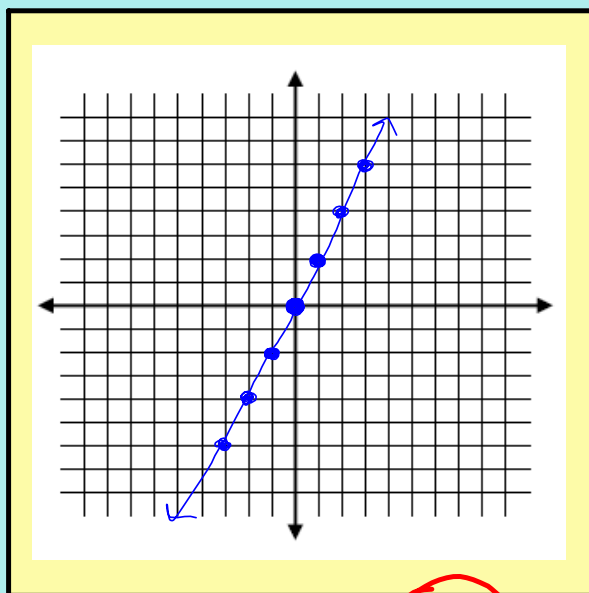
Slope = _____

You need a white board, marker and eraser!

Graphing Lines

$$y = 2x$$

Graph this
line on
your White
Board

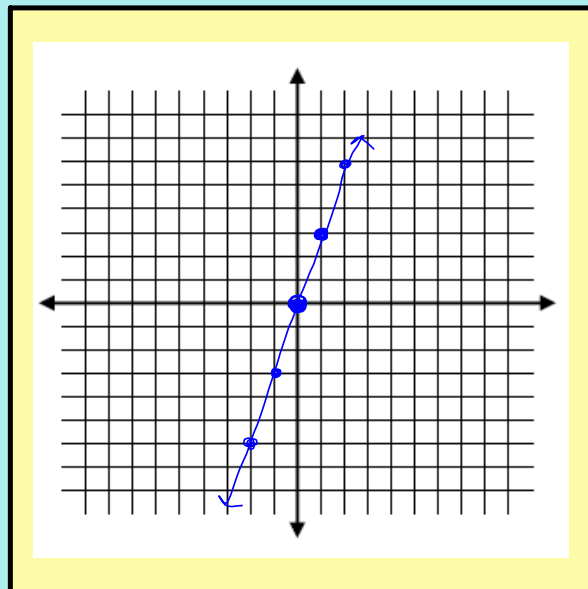


The Slope of this line is: $\frac{2}{1}$ $\frac{\text{rise}}{\text{run}}$

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

Graphing Lines

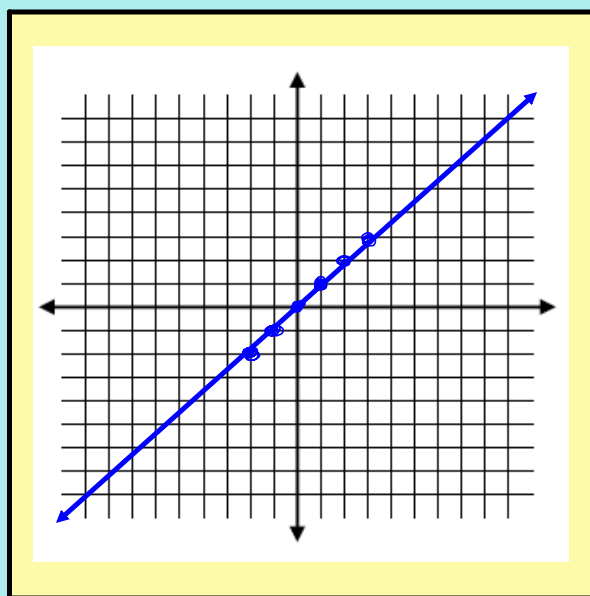
$$y = 3x$$



The Slope of this line is: $\frac{3}{1}$

Write the Equation for the line

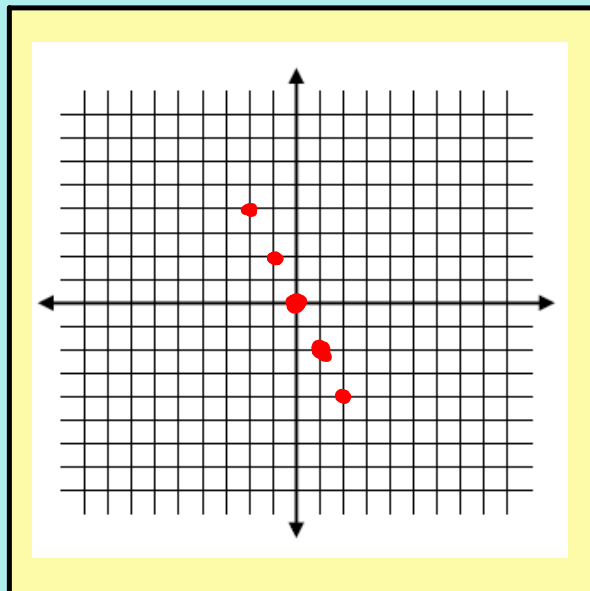
$$y = \underline{X}$$



The Slope of this line is: $\frac{1}{1}$

Graphing Lines

$$y = -2x$$

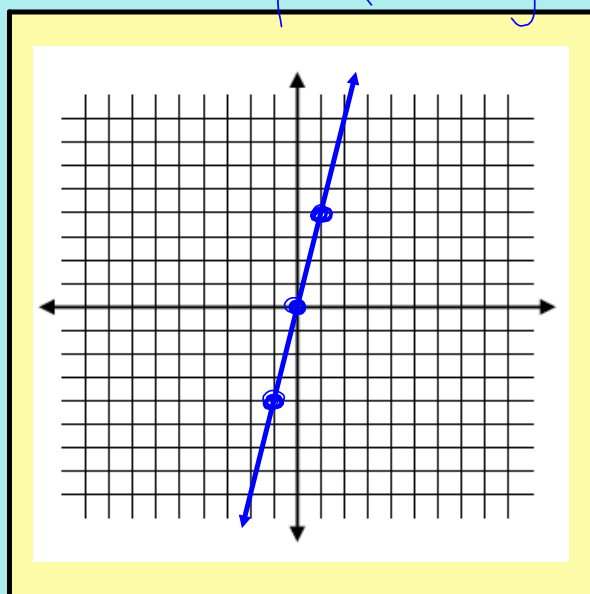


$$-\frac{2}{1}$$

The Slope of this line is: $-\frac{2}{1}$ $\frac{\text{rise}}{\text{run}}$

Write the Equation for the line

$$y = \frac{4}{1}x = y = 4x$$

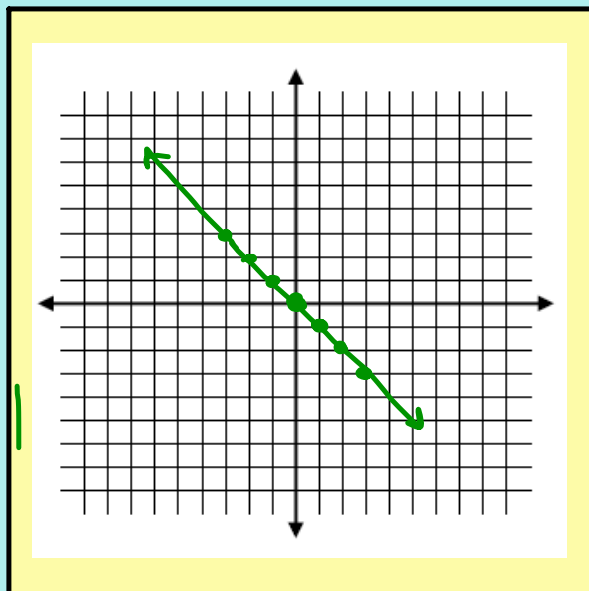


The Slope of this line is: $\frac{4}{1}$

Graphing Lines

$$y = -x$$

down 1
forward 1

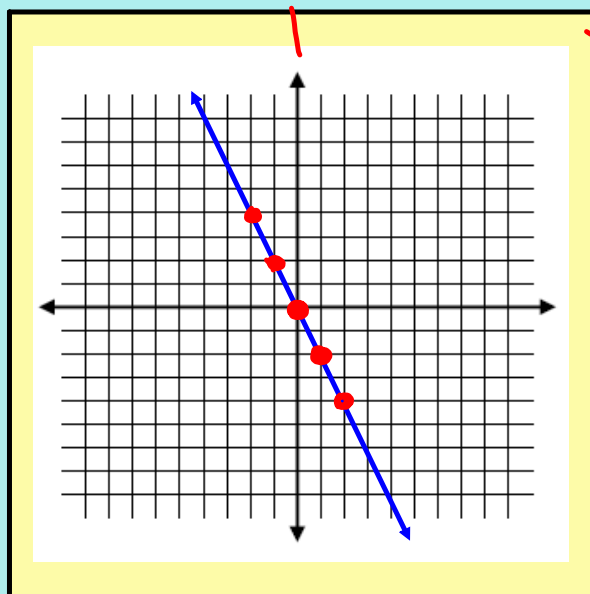


The Slope of this line is: $\frac{-1}{1}$ $\frac{1}{-1}$

Write the Equation for the line

$$y = \underline{-2x}$$

$$y = -2x$$



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

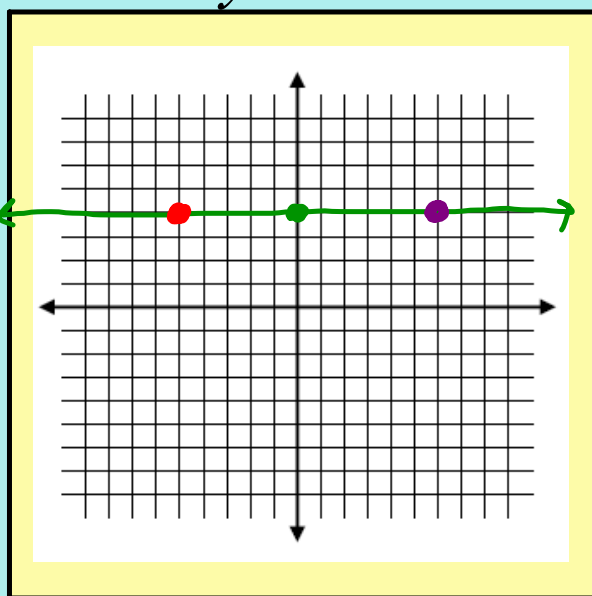
The Slope of this line is: _____

Graphing Lines

$$y = 4$$

$(-5, 4)$

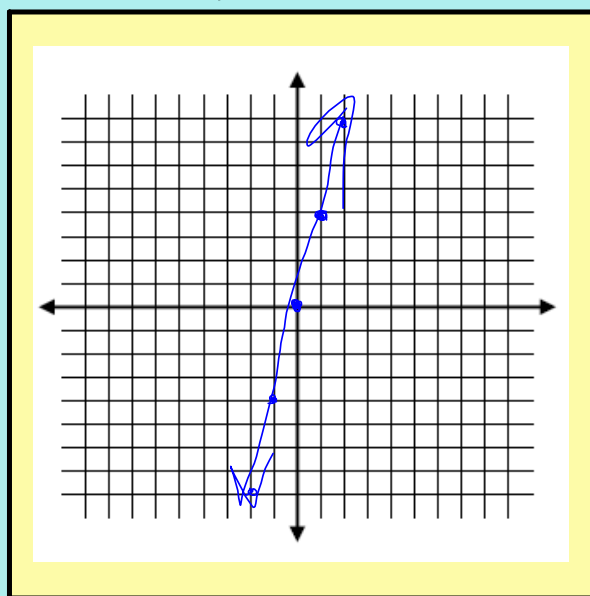
$(6, 4)$



The Slope of this line is: 0

Graphing Lines

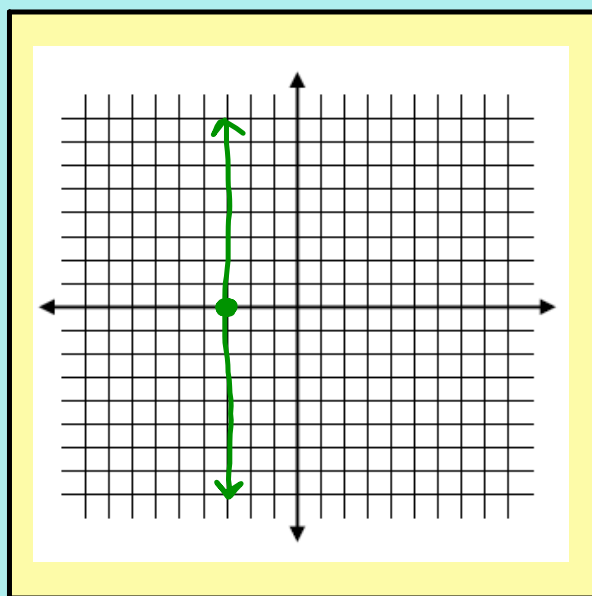
$$y = 4x$$



The Slope of this line is: $\frac{4}{1}$

Graphing Lines

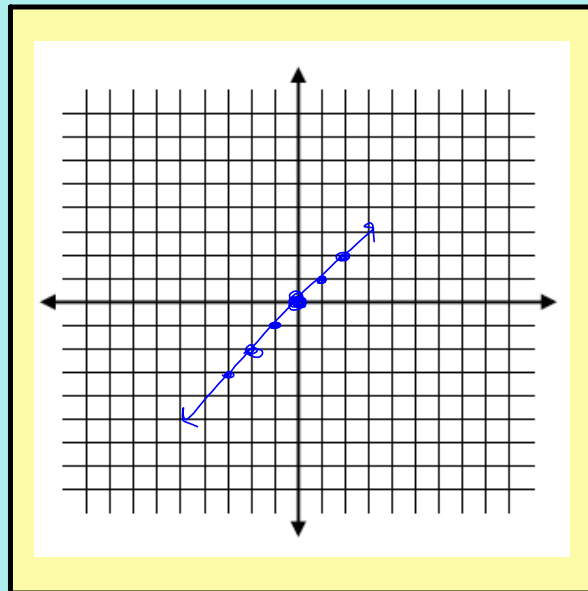
$$x = -3$$



The Slope of this line is: undefined

Graphing Lines

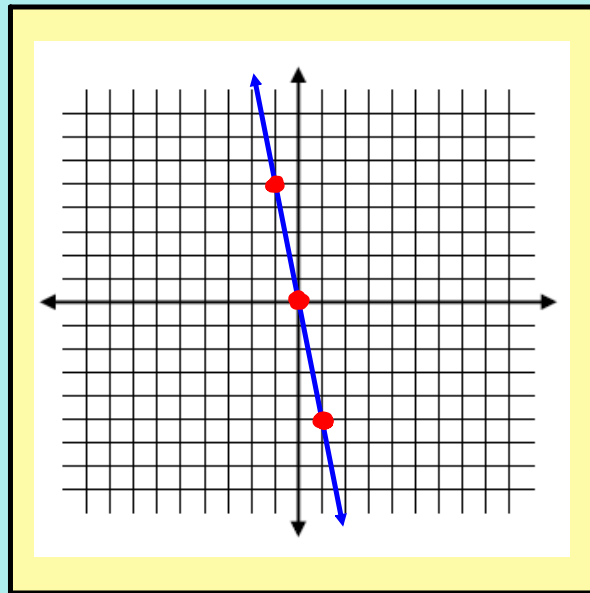
$$y = x$$



The Slope of this line is: 1

Write the Equation for the line

$$y = \underline{-5x}$$



The Slope of this line is: $\underline{-\frac{5}{1}}$

Classwork

You have 9 lines that you need to graph.

You may work with a partner.

When you are done, turn it in to be checked and correct if needed.

1. $y = 2$

2. $y = 3x$

3. $y = -2x$

4. $y = -x$

5. $y = -4x$

6. $x = -2$

7. $y = 5x$

8. $y = x$

9. $y = -6x$

Practice Quiz

Practice Problems for Quiz Tomorrow

