

Warmup

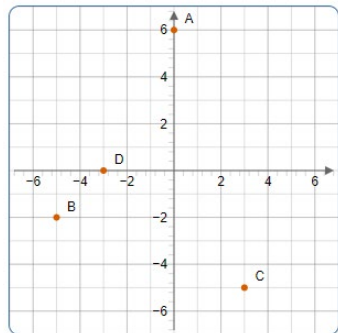
1. Name the points:

A _____

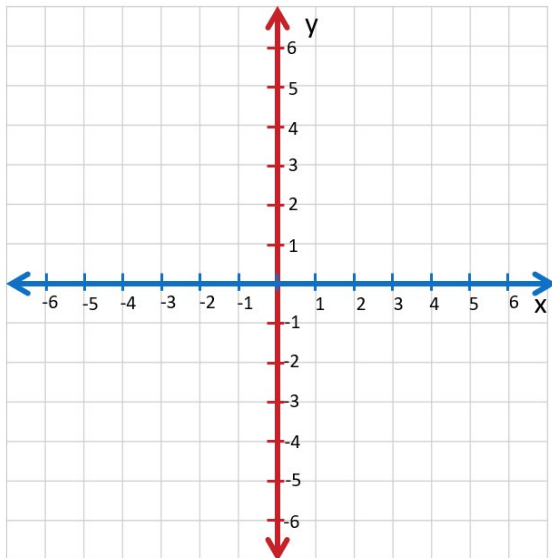
B _____

C _____

D _____

2. Graph the equation $y = -2x + 3$

x	$-2x+3$	y
-2		
-1		
0		
1		



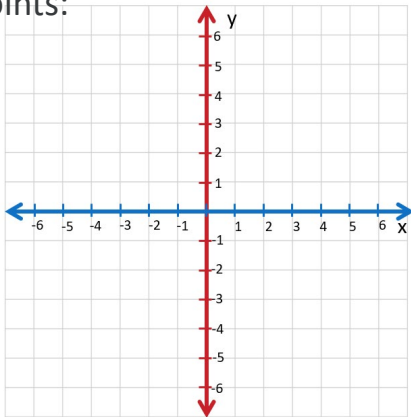
3. Plot the points:

A:(0,-3)

B:(4,0)

C:(-5,2)

D:(-4,3)

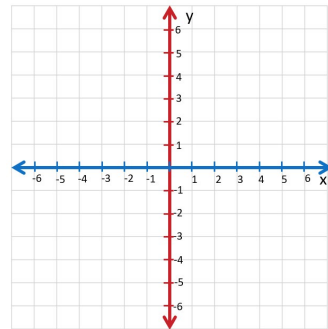


4. A point is defined by an ordered pair (____ , ____)

A point on the x-axis will have a 0 for the ____.

A point on the y-axis will have a 0 for the ____.

5. Label the Quadrants.



- I. Y-Intercept
- II. Slope
- III. The Equation of a Line

Homeschool



Honor Roll

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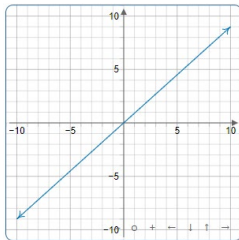
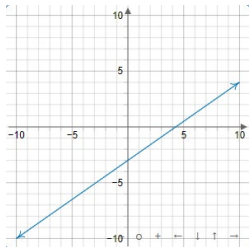
Pre-Algebra and Geometry I

Wendy Harper

www.HsHonorRoll.com

I. Y-Intercept

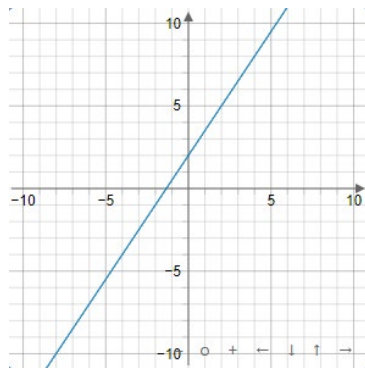
Y-Intercept is where the graph crosses the y-axis



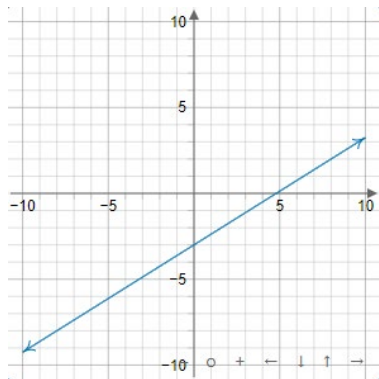
The x-value of the y-intercept is always ____

Give the ordered pair of the y-intercept.

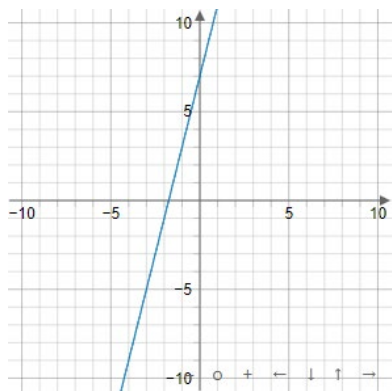
(____, ____)



6. Give the ordered pair of the y-intercept.



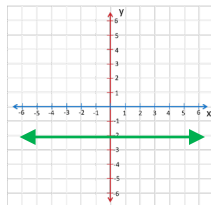
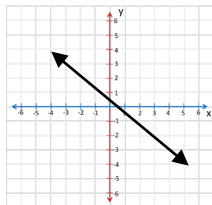
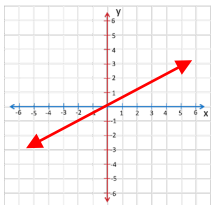
7. Give the ordered pair of the y-intercept.



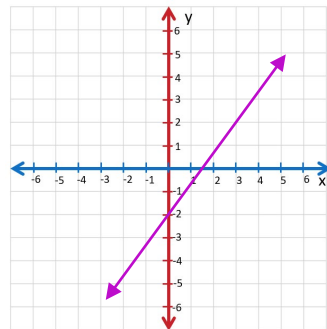
II. Slope

Slope is the ratio of the change in y to the corresponding x - values.

$$\text{Slope} = \frac{\text{change of } y}{\text{change of } x}$$



Start at the y -intercept.
Determine the next point
with integer x and y values.

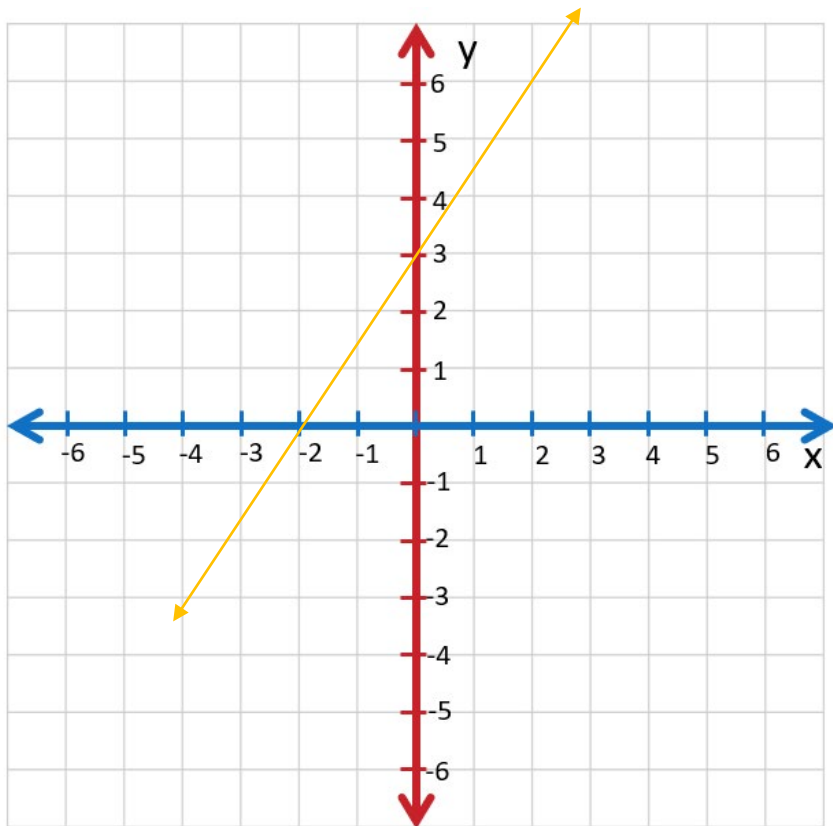


Determine the y-intercept and slope of the line.

Y-intercept: _____

Slope: _____

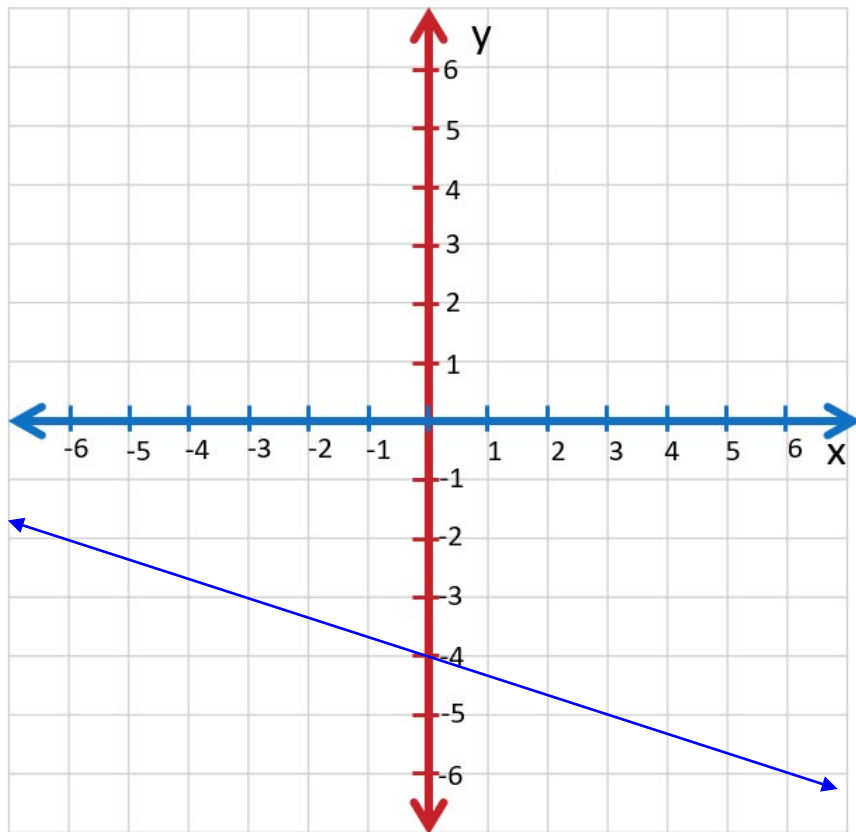
The line is
Increasing / decreasing



Determine the y-intercept and slope of the line.

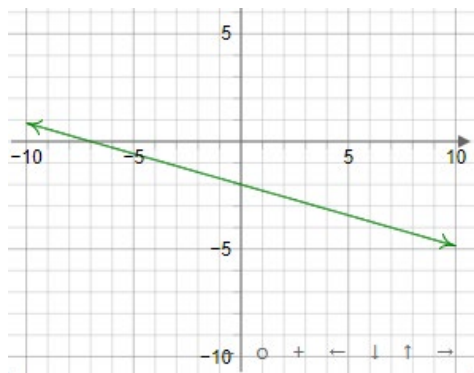
Y-intercept: _____

Slope: _____



The line is
Increasing / decreasing

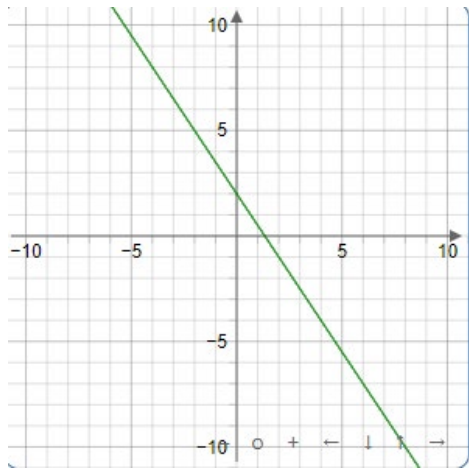
9. Give the slope of the linear equation:



The line is
Increasing / decreasing

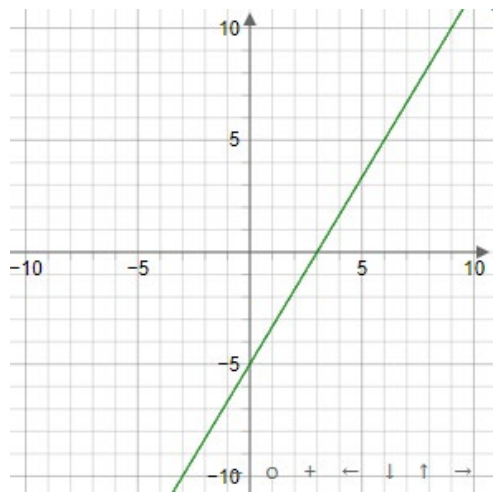
The slope is _____

10. Give the slope of the linear equation:



The slope is _____

11. Give the slope of the linear equation:



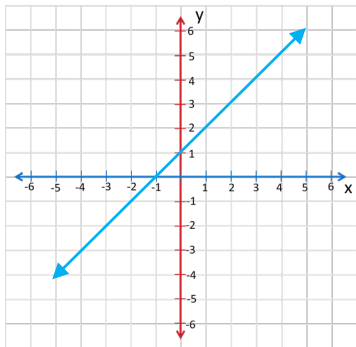
The slope is _____

III. The Equation of a Line

Linear Equation is an equation of a line.

Slope-Intercept form of the line is $y=mx+b$

m = Slope = $\frac{\text{change of } y}{\text{change of } x}$ **b = y-intercept**



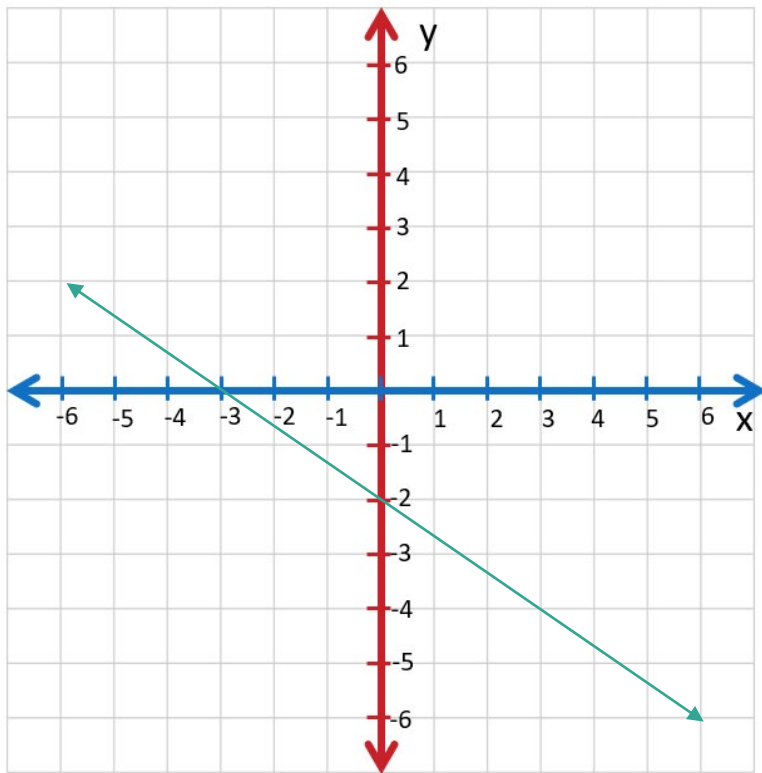
Give y-intercept, slope, and the equation of the line.

Y-intercept: ____

The ordered pair of the
y-intercept: (____,____)

The slope is ____

The equation of the line
is: $y =$ _____



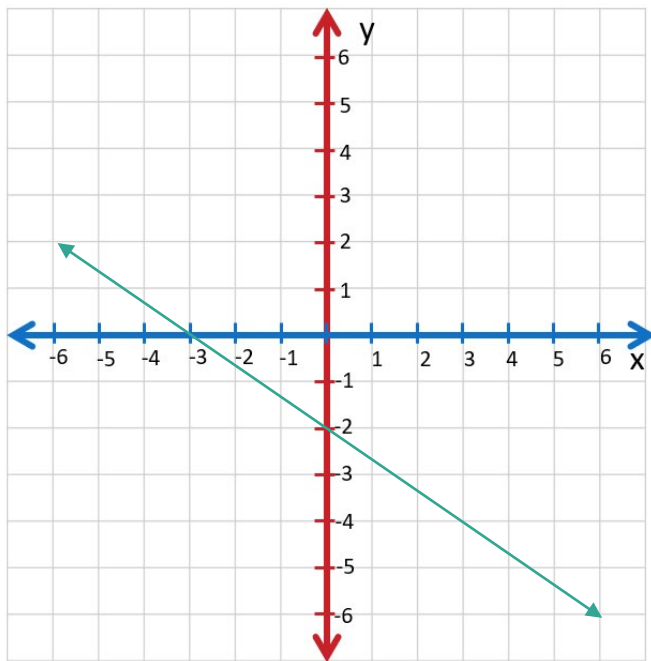
Give y-intercept, slope, and the equation of the line.

Y-intercept: ____

The ordered pair of the
y-intercept: (____,____)

The slope is ____

The equation of the line
is: $y = \underline{\hspace{2cm}}$



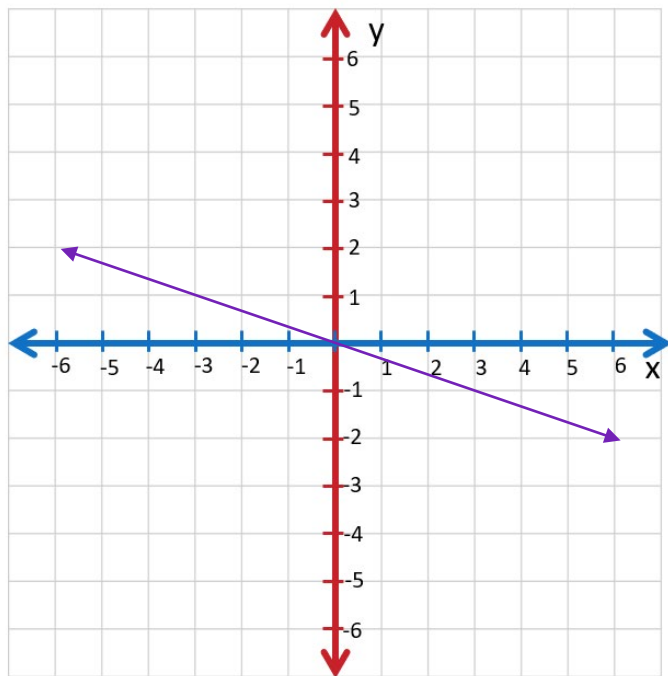
Give y-intercept, slope, and the equation of the line.

Y-intercept: ____

The ordered pair of the
y-intercept: (____, ____)

The slope is ____

The equation of the line
is: $y =$ _____



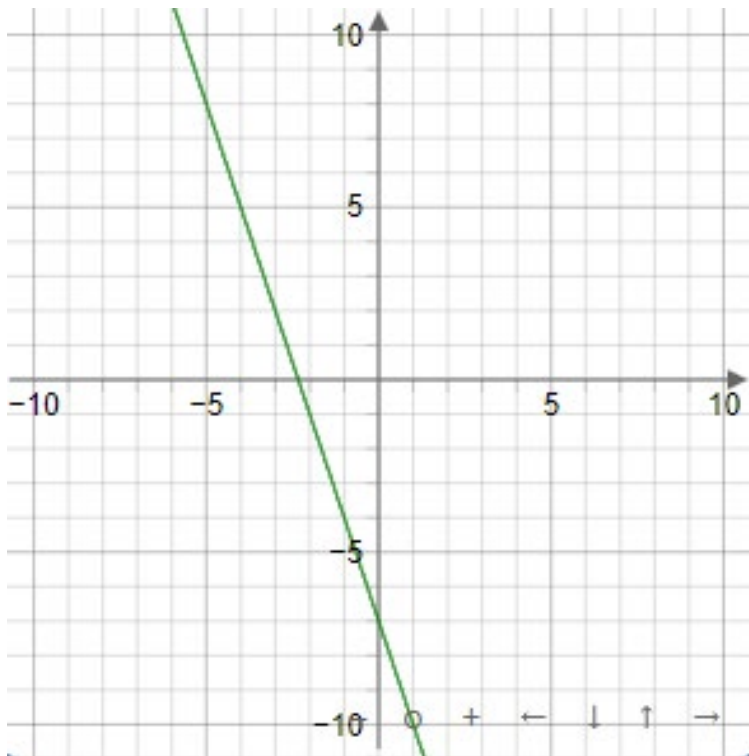
13. Give y-intercept, slope, and the equation of the line.

Y-intercept: ____

The ordered pair of the
y-intercept: (____,____)

The slope is ____

The equation of the line
is: $y = \underline{\hspace{2cm}}$



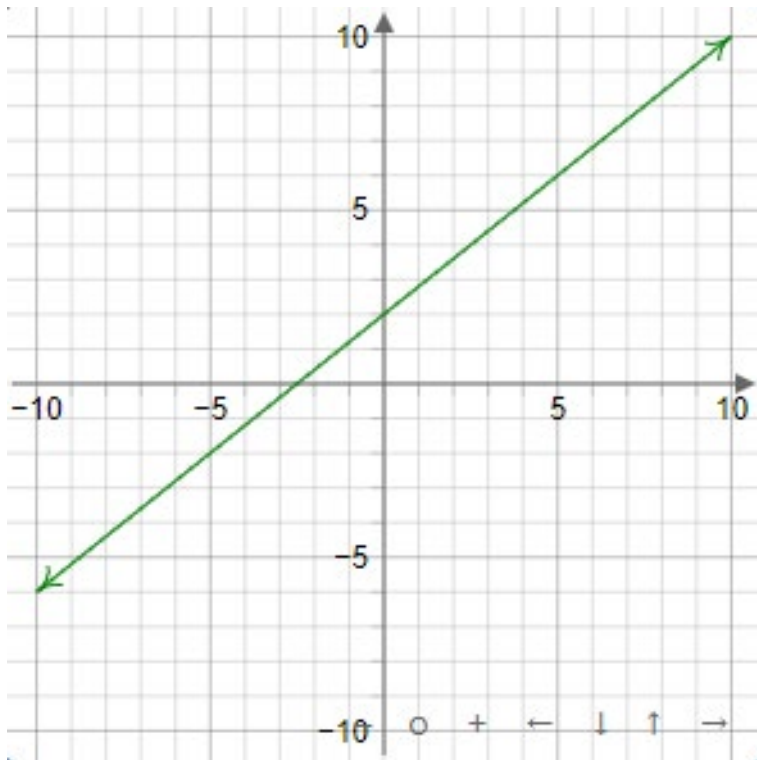
14. Give y-intercept, slope, and the equation of the line.

Y-intercept: ____

The ordered pair of the
y-intercept: (____,____)

The slope is ____

The equation of the line
is: $y = \underline{\hspace{2cm}}$





[illegible]