

Warmup

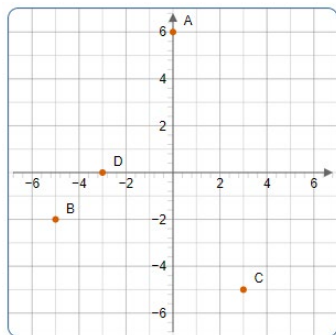
1. Name the points:

A _____

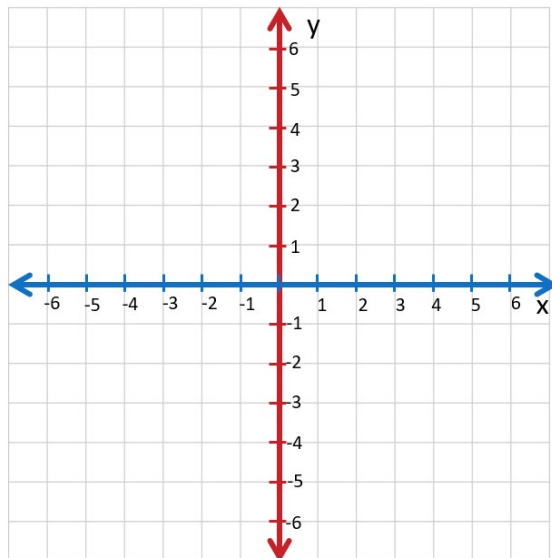
B _____

C _____

D _____

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

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



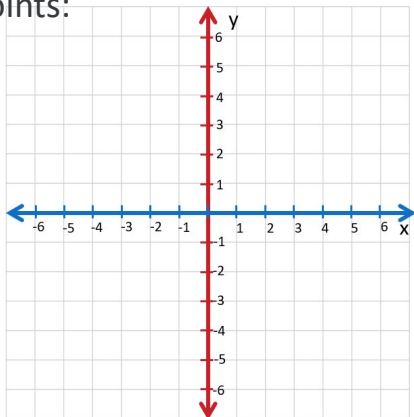
3. Plot the points:

A: (0, -3)

B: (4, 0)

C: (-5, 2)

D: (-4, 3)

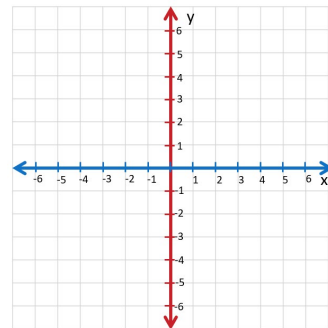


4. A point is defined by an ordered pair (____, ____)

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

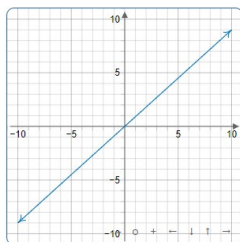
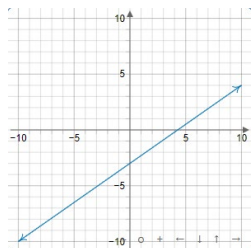
A point on the y-axis will have a 0 for the _____.

5. Label the Quadrants.



I. Y-Intercept

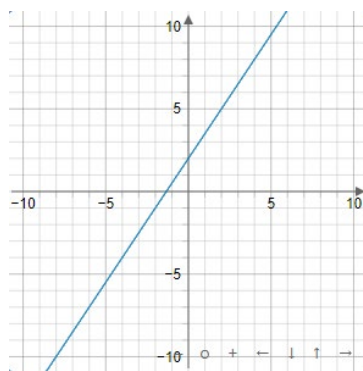
Y-Intercept is where the graph crosses the y-axis



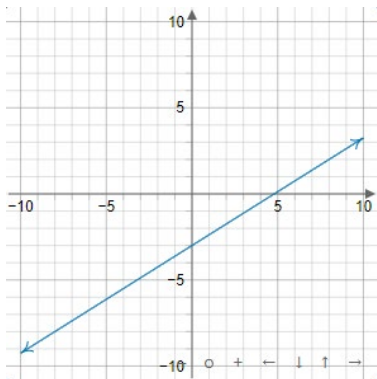
The x-value of the y-intercept is always _____

Give the ordered pair of the y-intercept.

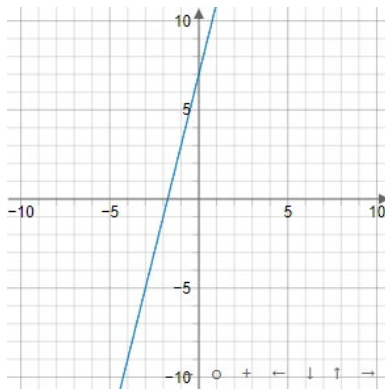
(____, ____)



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



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

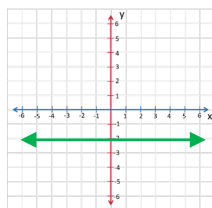
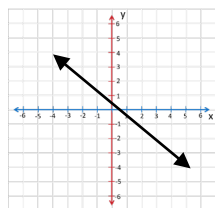
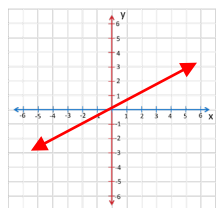


8. Give the ordered pair of the y-intercept.

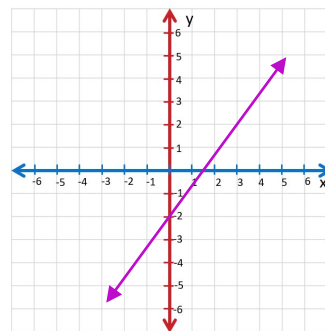
II. Slope

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

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



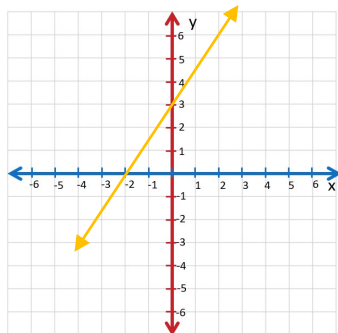
Start at the y-intercept.
Determine the next point with integer x and y values.



Determine the y-intercept and slope of the line.

Y-intercept: _____

Slope: _____

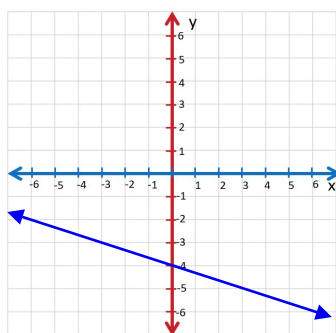


The line is
Increasing / decreasing

Determine the y-intercept and slope of the line.

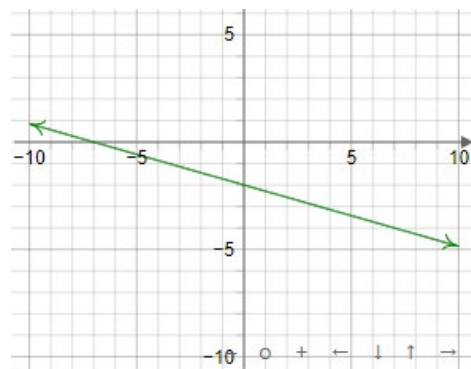
Y-intercept: _____

Slope: _____



The line is
Increasing / decreasing

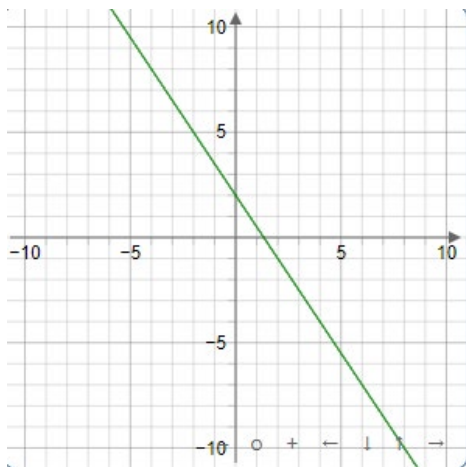
9. Give the slope of the linear equation:



The line is
Increasing / decreasing

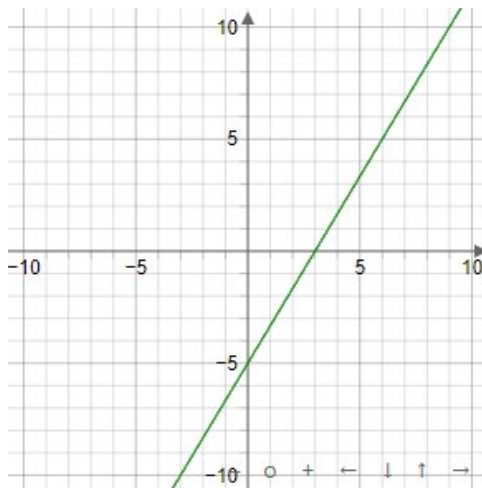
The slope is _____

10. Give the slope of the linear equation:



The slope is _____

11. Give the slope of the linear equation:



The slope is _____

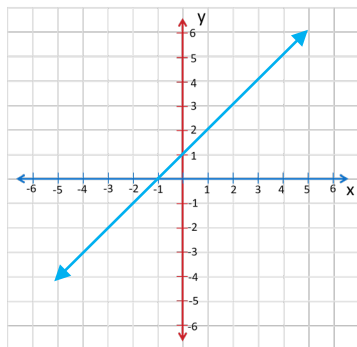
12. Give the slope of the linear equation:

III. The Equation of a Line

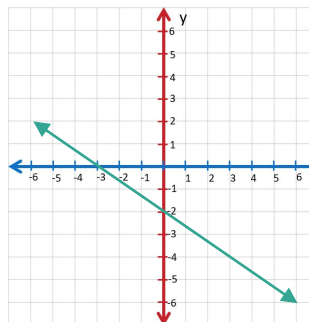
Linear Equation is an equation of a line.

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

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



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: $y = \underline{\hspace{2cm}}$

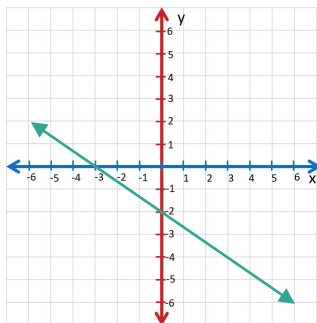
Give y-intercept, slope, and the equation of the line.

Y-intercept: _____

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

The slope is _____

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



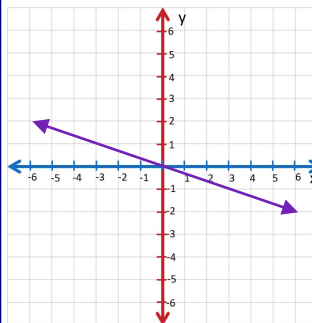
Give y-intercept, slope, and the equation of the line.

Y-intercept: _____

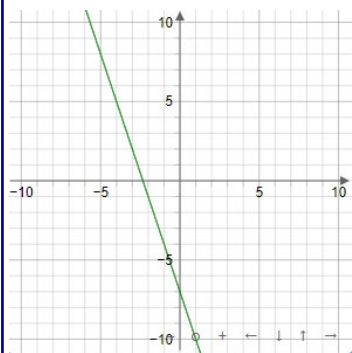
The ordered pair of the y-intercept: (____, ____)

The slope is _____

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

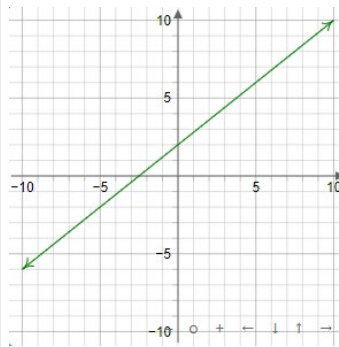


13. Give y-intercept, slope, and the equation of the line.



Y-intercept: _____
 The ordered pair of the
 y-intercept: (____,____)
 The slope is _____
 The equation of the line
 is: $y =$ _____

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: $y =$ _____

IV. Practice

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