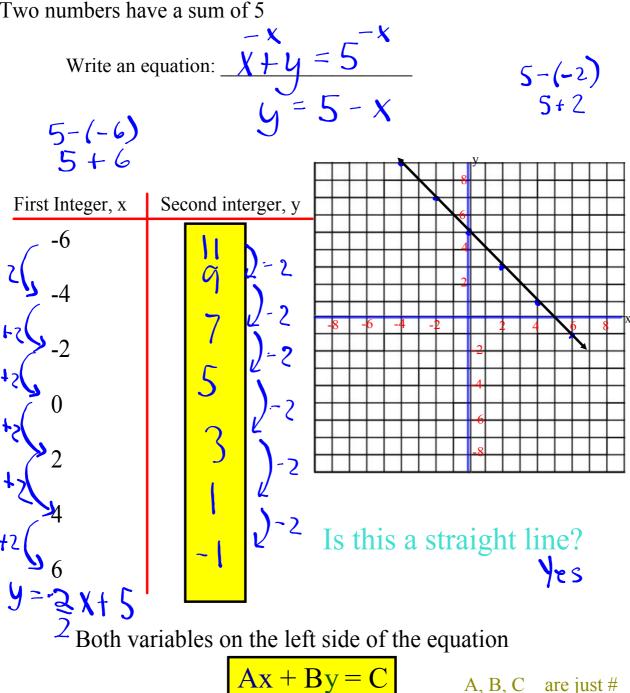


Two numbers have a sum of 5



$$Ax + By = C$$

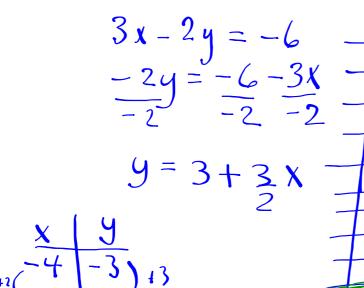
A, B, C are just #

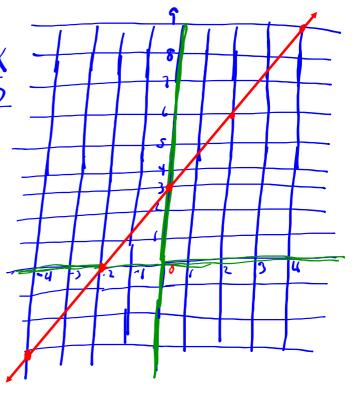
This is just another way to write the equation of a linear relation.

Standard form of an equation

$$Ax + By = C$$

$$3x + 2y = 6$$

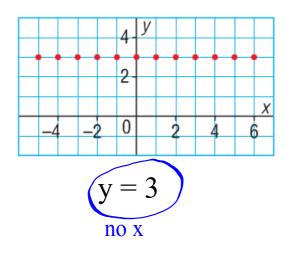




Problems with the homework...

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Horizontal vs. Vertical

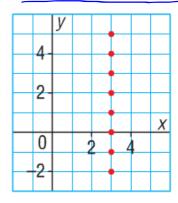


For every 'x' value y will always equal 3

The graph of the equation y = a, where a is a constant, is a horizontal line. Every point on the graph has a y-coordinate of a.

$$y = a$$

$$0$$

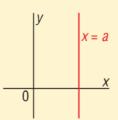


$$x = 3$$

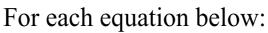
no y

For every 'y' value x will always equal 3

The graph of the equation x = a, where a is a constant, is a vertical line. Every point on the graph has an x-coordinate of a.



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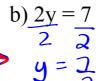


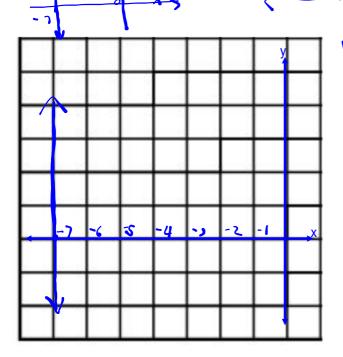
- i) Graph the equation
- ii) Describe the graph.

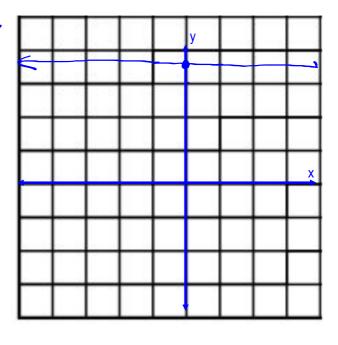


a)
$$x + 7 = 0$$

$$X = -7$$





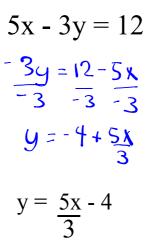


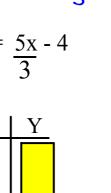
traphing an Equation in the form an + by = c

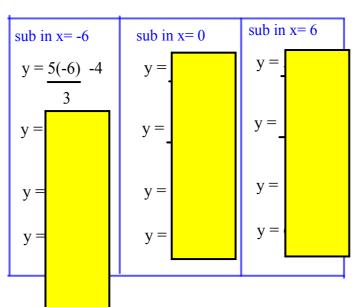
For the equation 5x - 3y = 12:

a) Make a table of values for x = -6, 0, 6

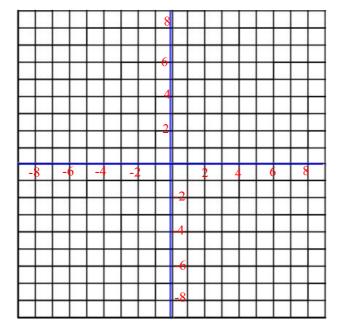
Rearrange for y =







b) Graph the equation





An oblique line can be diagonal, sloping or slanted. It is not vertical, or horizontal

<u>-</u>

Examples: y = 2

2x + 3y = 7

2x = 8



#4 TO #15