

Quick Graph. Substitute 0 for x and solve for y. Then substitute 0 for y and solve for x.

Example: $2x + 3y = 6$

Substitute 0 for x and solve for y:

$$2(0) + 3y = 6$$

$$3y = 6$$

$$y = 2$$

x	y
0	2
3	0

Substitute 0 for y and solve for x:

$$2x + 3(0) = 6$$

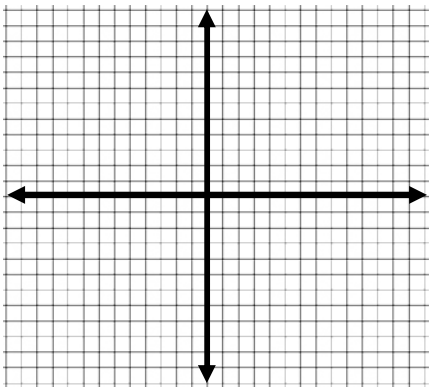
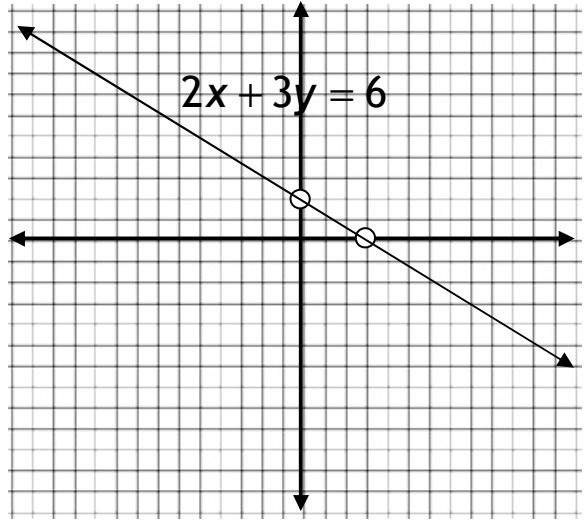
$$2x = 6$$

$$x = 3$$

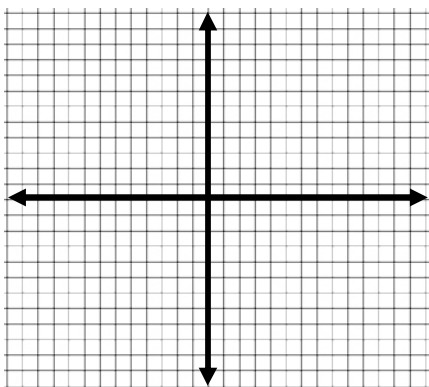
Now plot the two ordered pairs, point A(0, 2) and B(3, 0). Construct a line with a straightedge and arrow heads. Label the line with the equation.

For each line written in Standard Form ($Ax + By = C$),

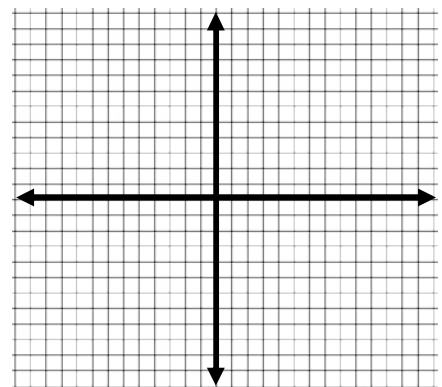
1. Find the x-intercept and y-intercept.
2. Plot those 2 points.
3. Construct a line through your 2 reference points.
4. Label each line with the equation.



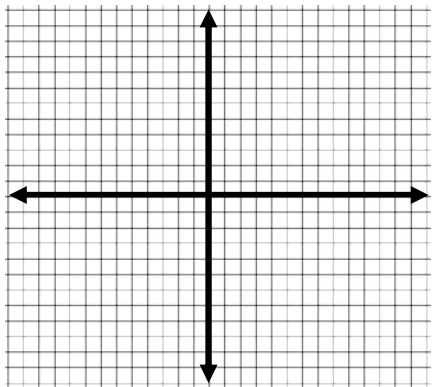
$2x + 5y = 10$



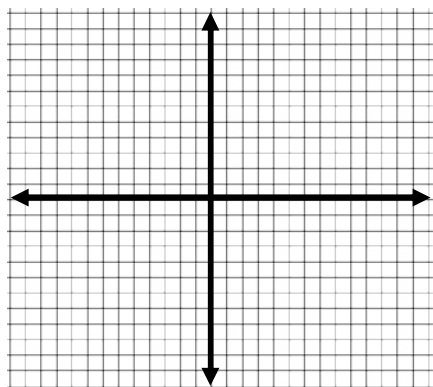
$x + 4y = 8$



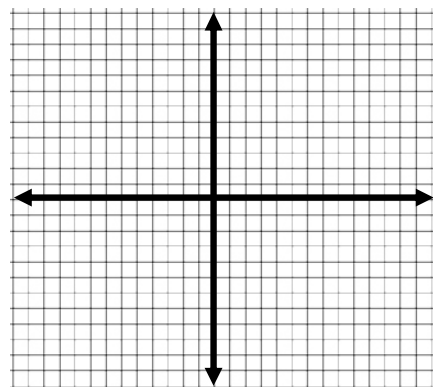
$3x + y = 6$



$2x - 5y = 10$



$3x - 2y = 12$



$x - y = 4$