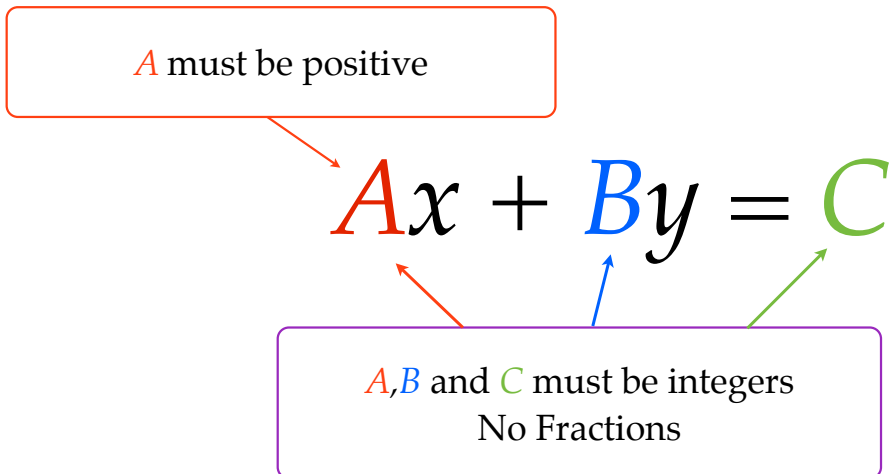


Standard form of a Line



Given the following equations in **standard** form, determine A , B , and C .

$$Ax + By = C$$

$$3x - 4y = 12$$

$$x + 5y = 10$$

$$2x - y = 0$$

Put the following equations in **standard** form, determine A , B , and C .

$$Ax + By = C$$

$$y - 3 = -3(x + 6)$$

$$y - 6 = 5(x - 2)$$

Put the following equations in **standard** form, determine A , B , and C .

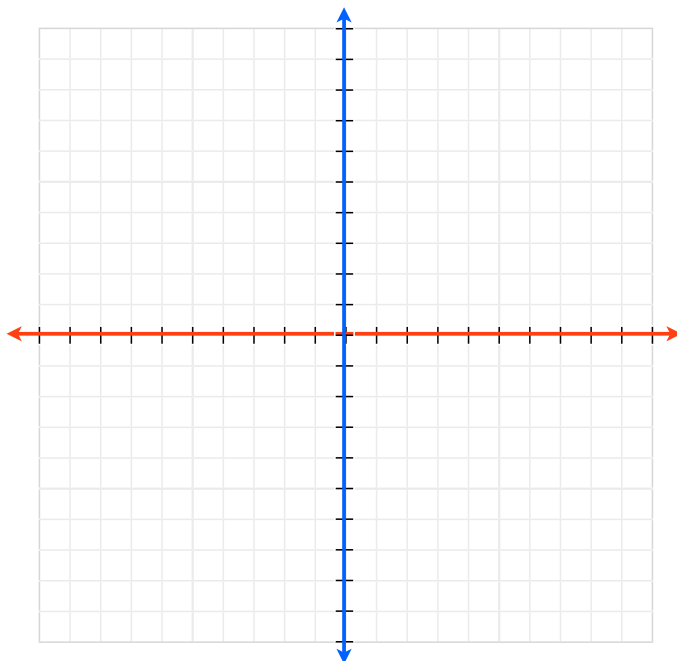
$$Ax + By = C$$

$$y - 2 = \frac{1}{2}(x + 4)$$

Graph the following equations in
standard form

$$Ax + By = C$$

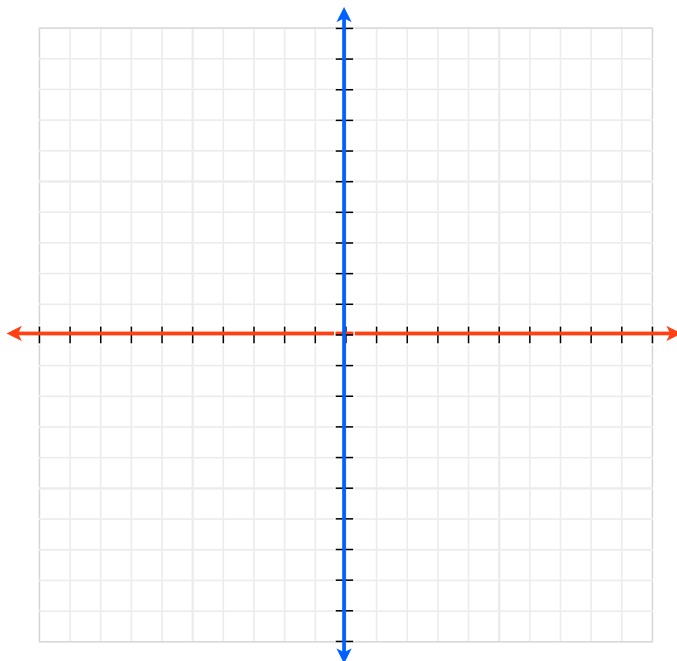
$$2x + y = 8$$



Graph the following equations in
standard form

$$Ax + By = C$$

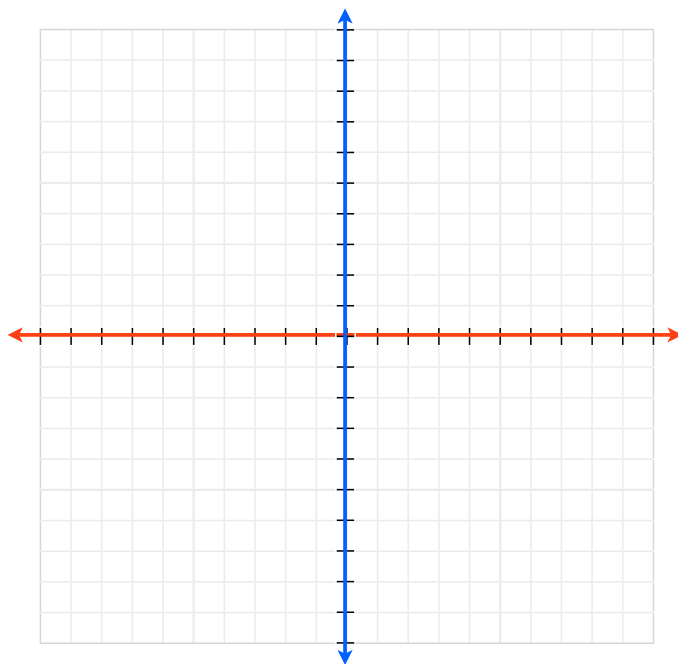
$$6x - 2y = 12$$



Graph the following equations in
standard form

$$Ax + By = C$$

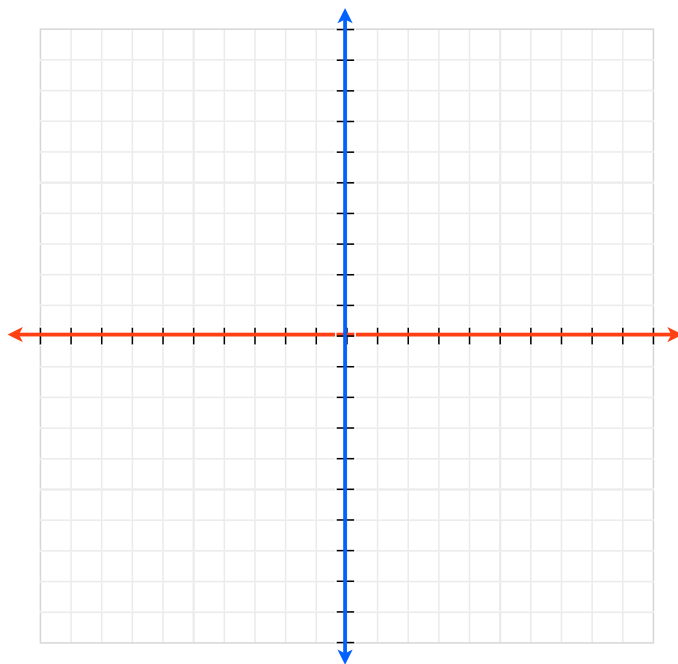
$$2x + 6y = -18$$



Graph the following equations in
standard form

$$Ax + By = C$$

$$2x + 6y = -18$$



Standard form of a Line

A must be positive

$$Ax + By = C$$

A, B and C must be integers
No Fractions

The diagram illustrates the standard form of a line, $Ax + By = C$. A red box at the top left contains the text " A must be positive", with a red arrow pointing to the coefficient A in the equation. A purple box at the bottom contains the text " A, B and C must be integers" and "No Fractions". Three arrows point from this box to the coefficients: a red arrow to A , a blue arrow to B , and a green arrow to C .

Given a line in standard form, solve for y to put in slope-intercept form