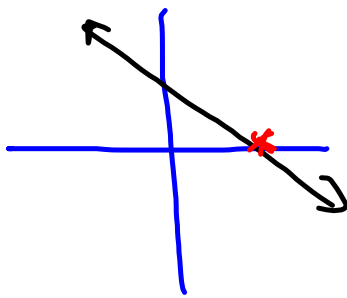


x-intercept: where a graph intersects the x-axis



↳ $y = 0$ for all x-intercepts.

y-intercept: where a graph intersects the y-axis

↳ $x = 0$

Graphing lines using the x & y intercepts.

ex. 1

$$2x - 3y = 12$$

x-intercept

let $y = 0$

$$2x - 3(0) = 12$$

$$2x = 12$$

$$x = 6$$

$(6, 0)$

y-intercept

let $x = 0$

$$2(0) - 3y = 12$$

$$\frac{-3y}{-3} = \frac{12}{-3}$$

$$y = -4$$

$(0, -4)$

