

# Graphing Lines using XY Intercepts

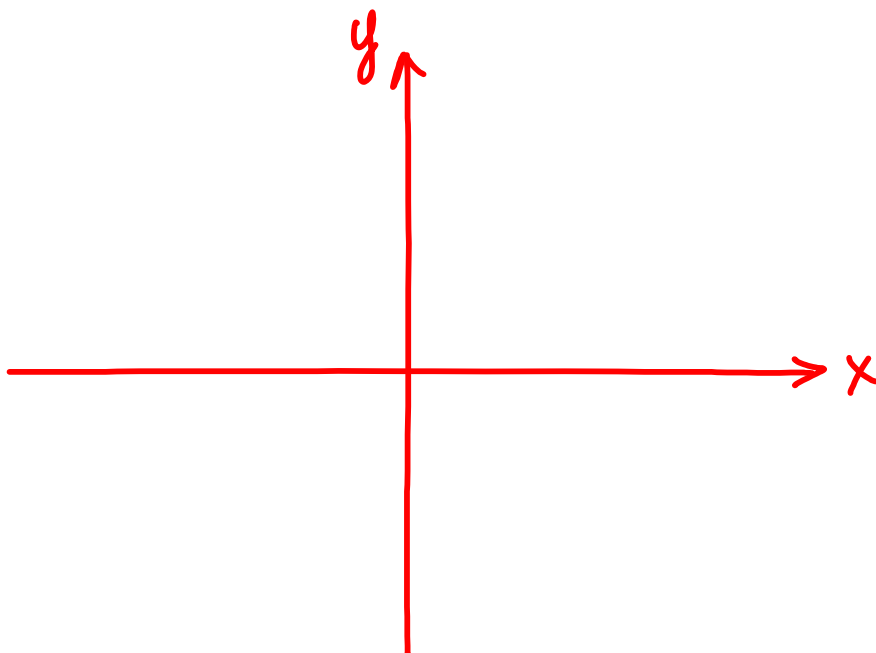
## Overview of problems- KEY



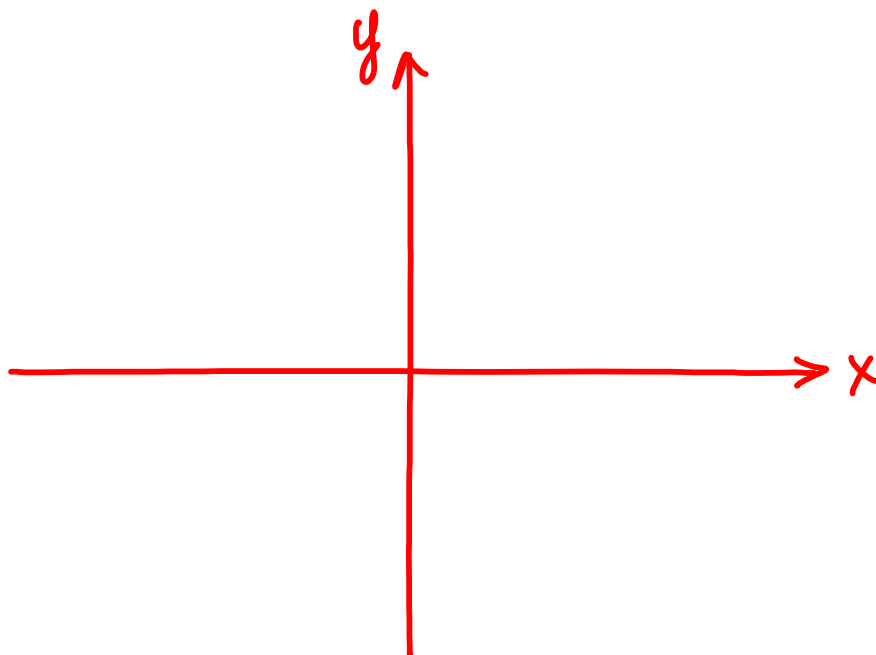
Example Set: A

Sketch the line with the given intercepts

x-intercept: 4  
y-intercept: -7



x-intercept: -2  
y-intercept: -9

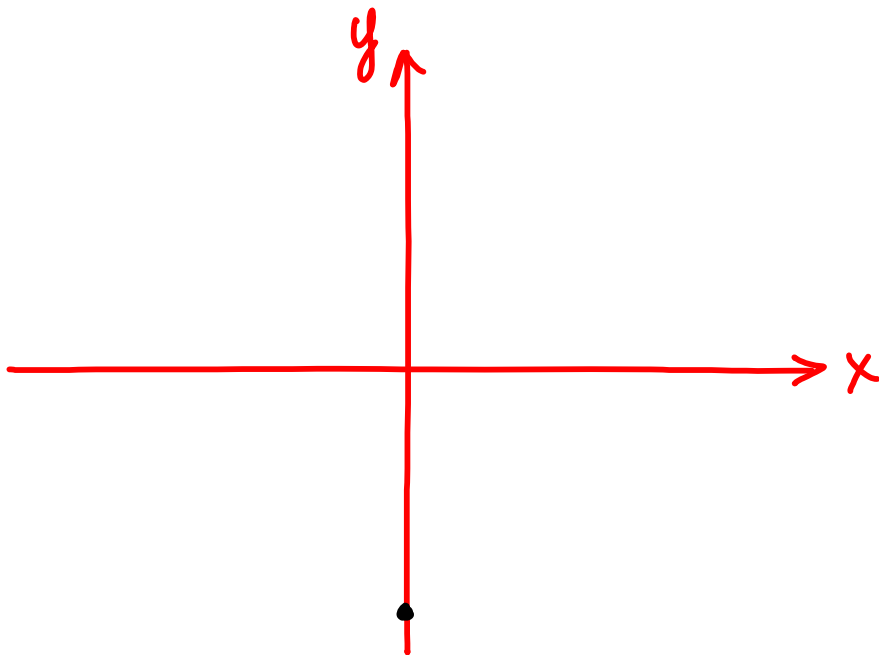




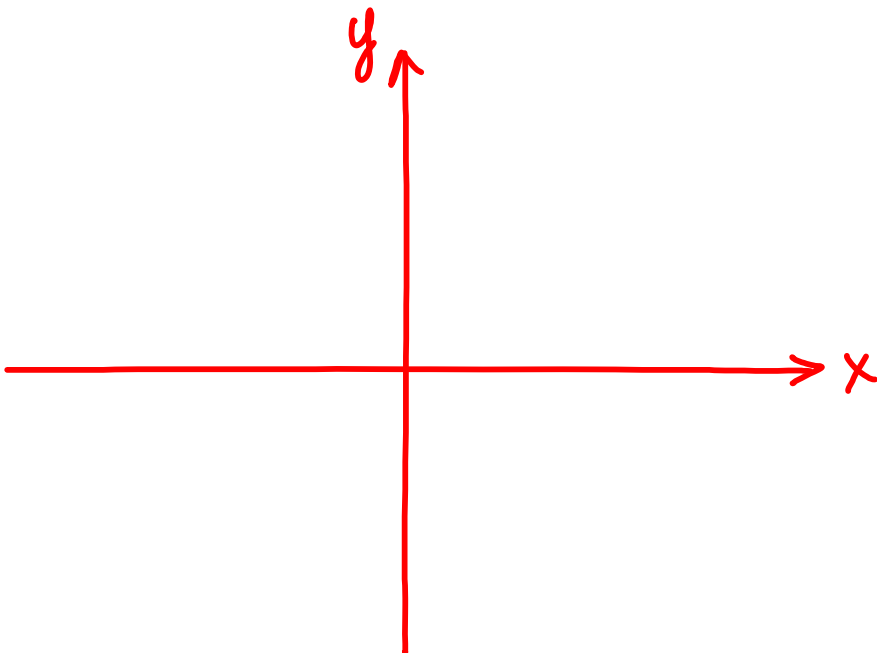
Example Set: B

Find the x and y-intercepts and graph the line

$$-4x - y = 16$$



$$3x - 5y = -15$$

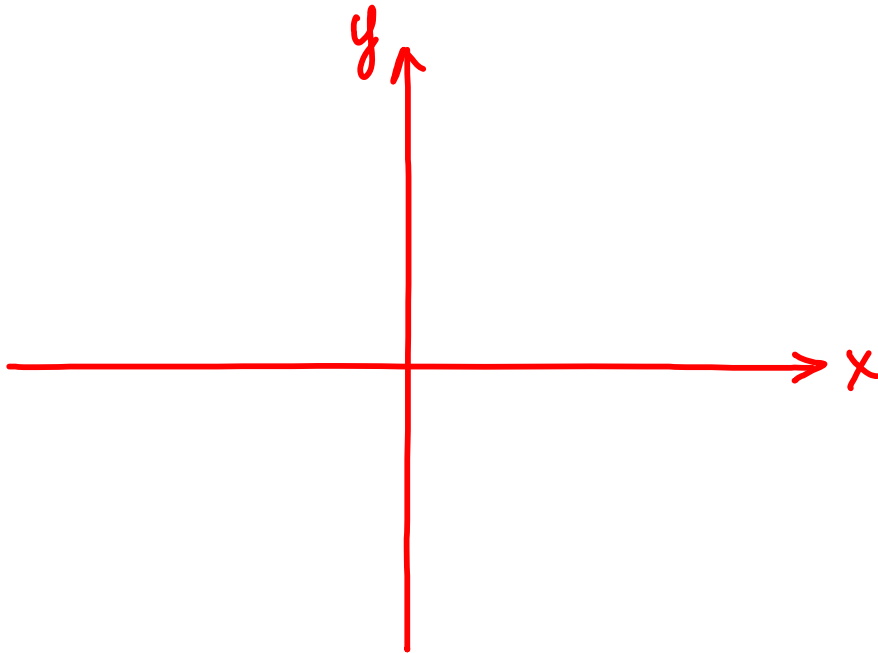




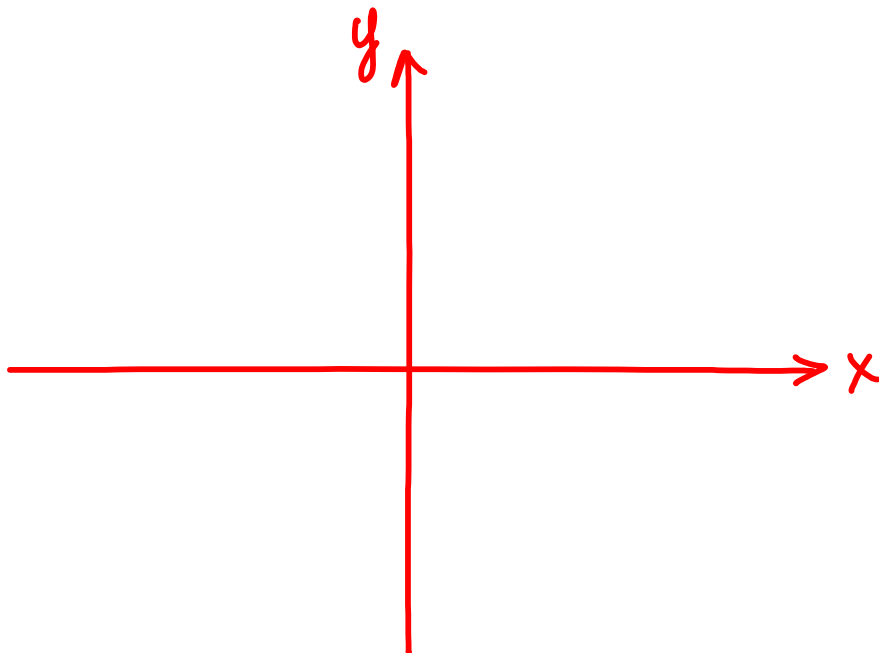
Example Set: C

Find the x and y-intercepts and graph the line

$$5x + 20y = 10$$



$$-x - y = -8$$

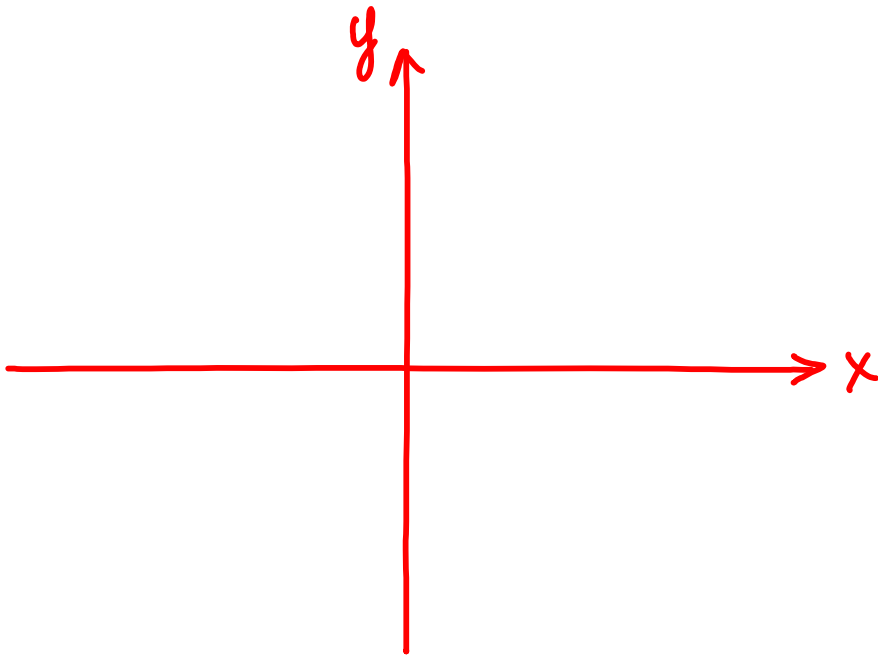




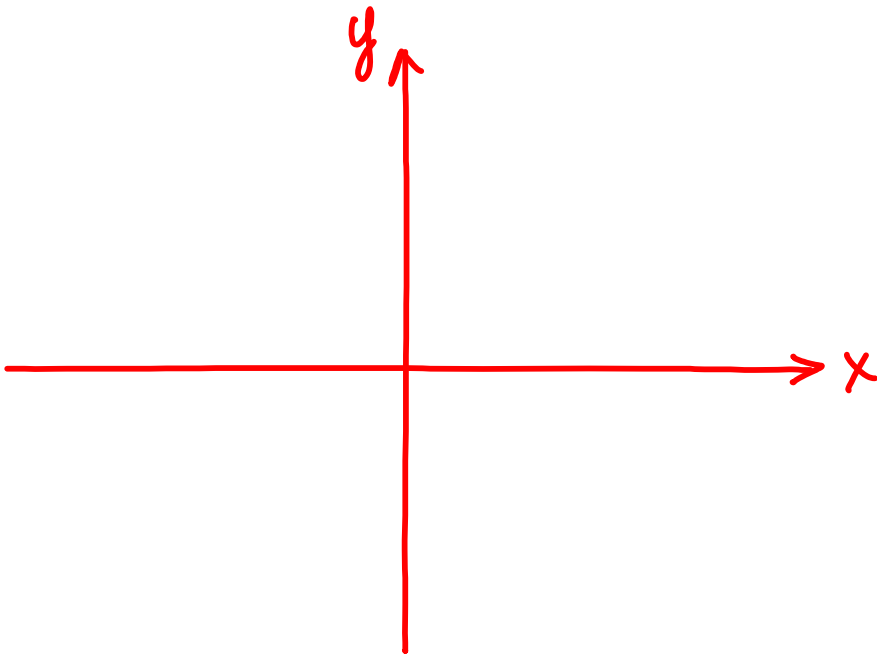
Example Set: D

Find the x and y-intercepts and graph the line

$$y = -6 + 2x$$



$$y = -3x + 9$$



# Graphing Lines using XY Intercepts

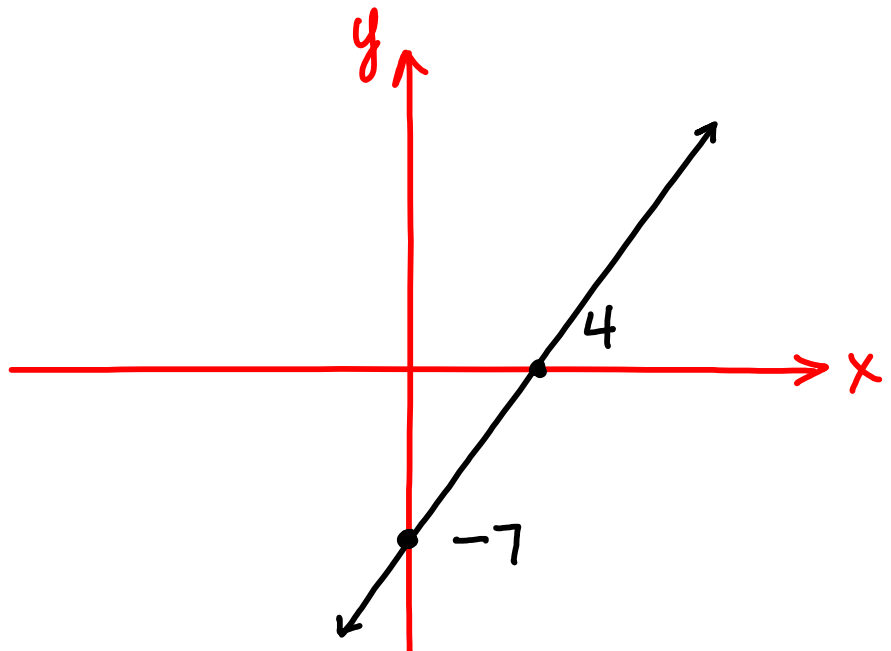
## Overview of problems- KEY



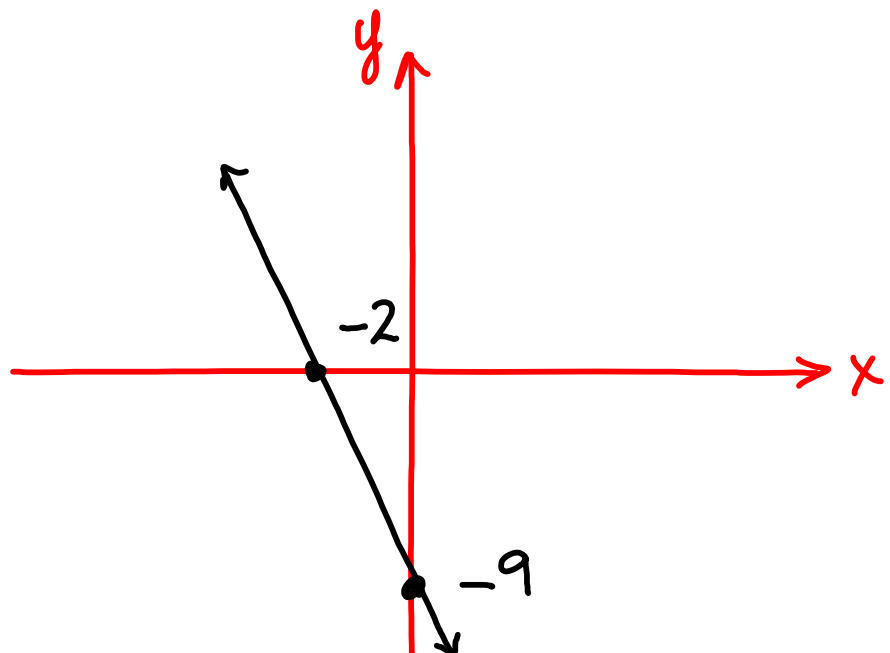
Example Set: A

Sketch the line with the given intercepts

x-intercept: 4  
y-intercept: -7



x-intercept: -2  
y-intercept: -9





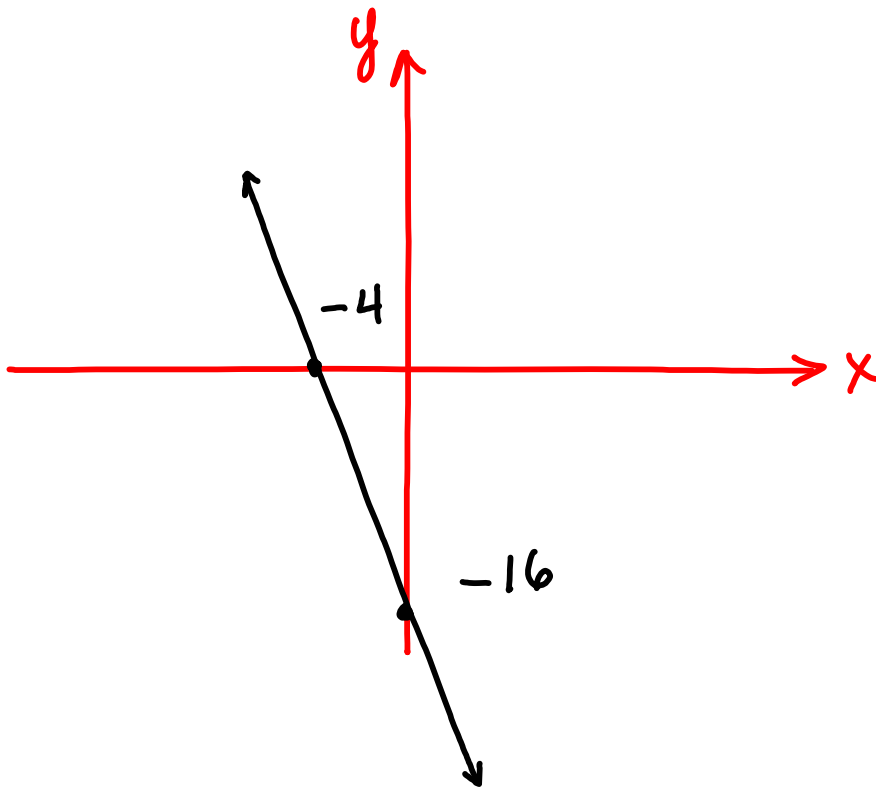
## Example Set: B

Find the x and y-intercepts and graph the line

$$-4x - y = 16$$

$$x\text{-int } (-4, 0)$$

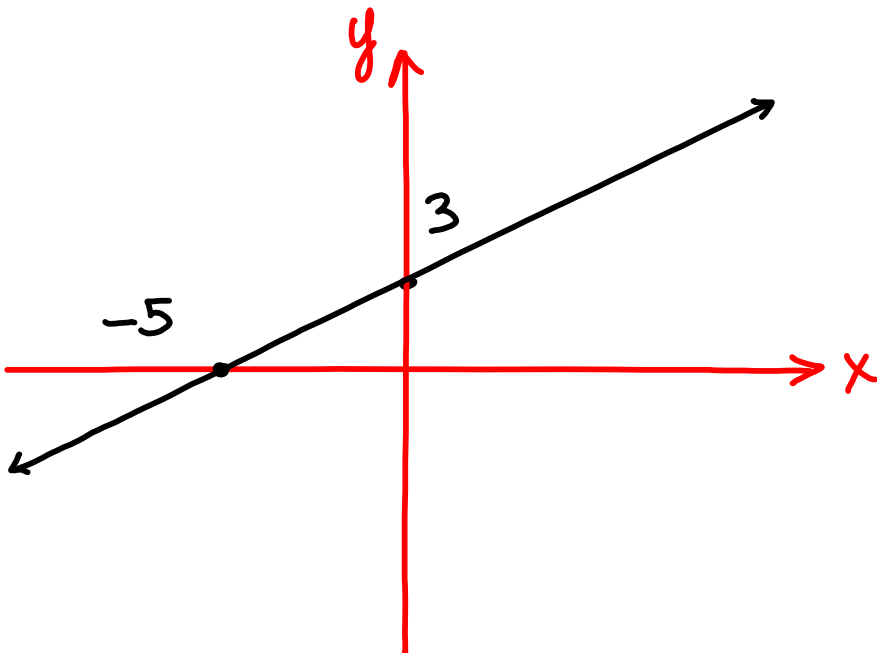
$$y\text{-int } (0, -16)$$



$$3x - 5y = -15$$

x-int  $(-5, 0)$

y-int  $(0, 3)$





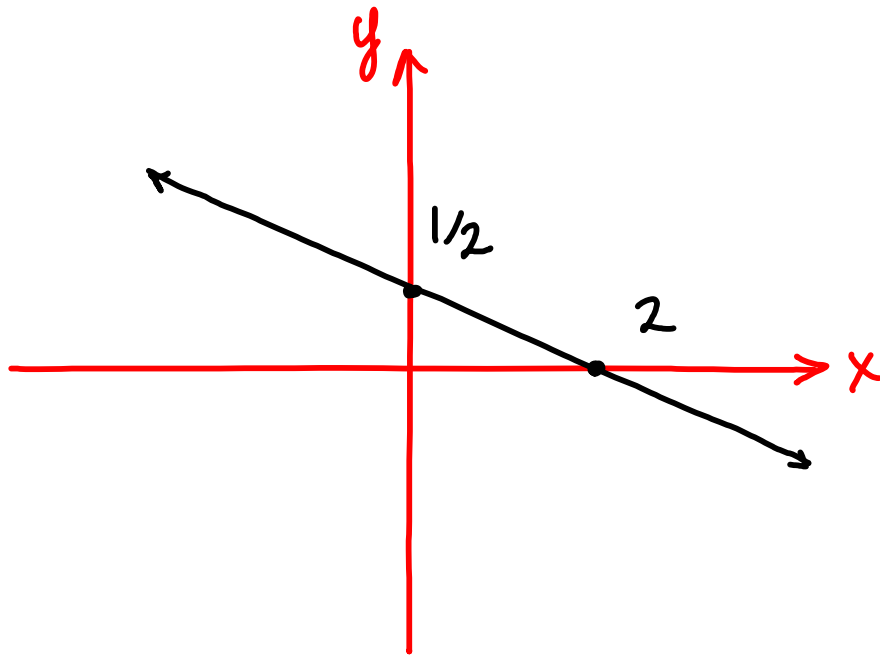
Example Set: C

Find the x and y-intercepts and graph the line

$$5x + 20y = 10$$

$$\text{x-int } (2, 0)$$

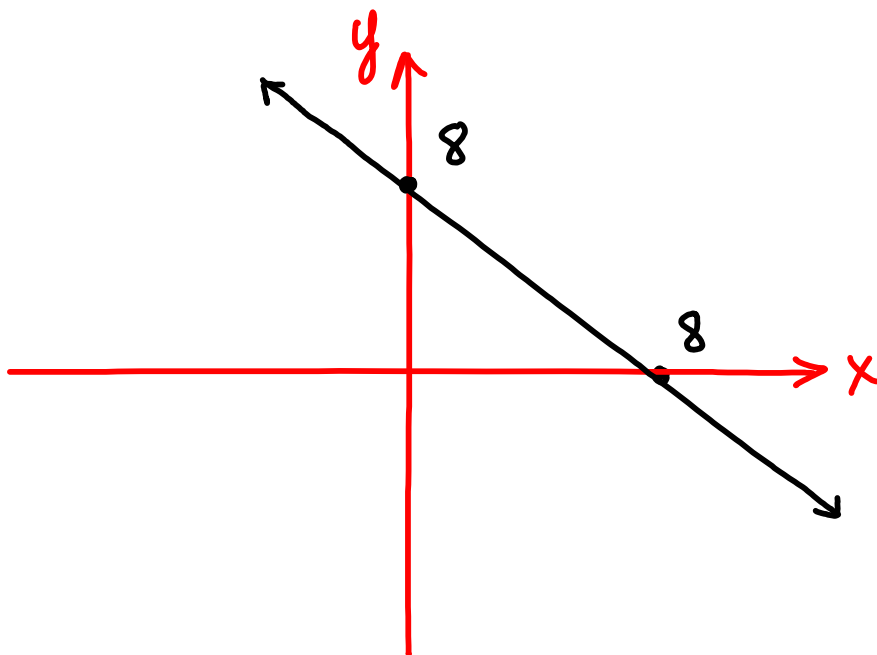
$$\text{y-int } (0, \frac{1}{2})$$



$$-x - y = -8$$

x-int (8, 0)

y-int (0, 8)





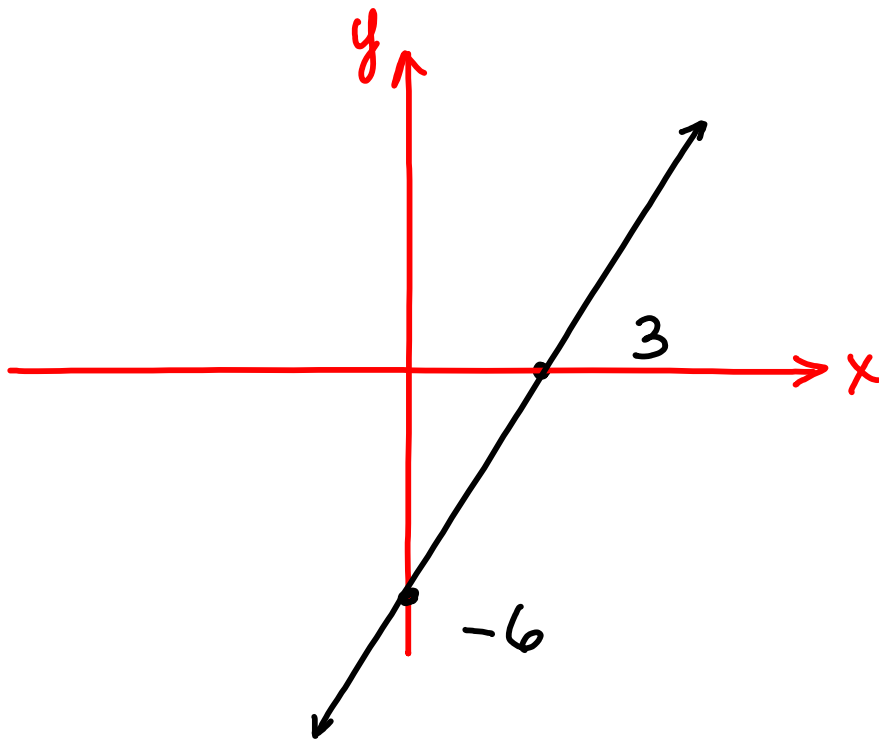
## Example Set: D

Find the x and y-intercepts and graph the line

$$y = -6 + 2x$$

$$\text{x-int } (3, 0)$$

$$\text{y-int } (0, -6)$$



$$y = -3x + 9$$

x-int (3, 0)

y-int (0, 9)

