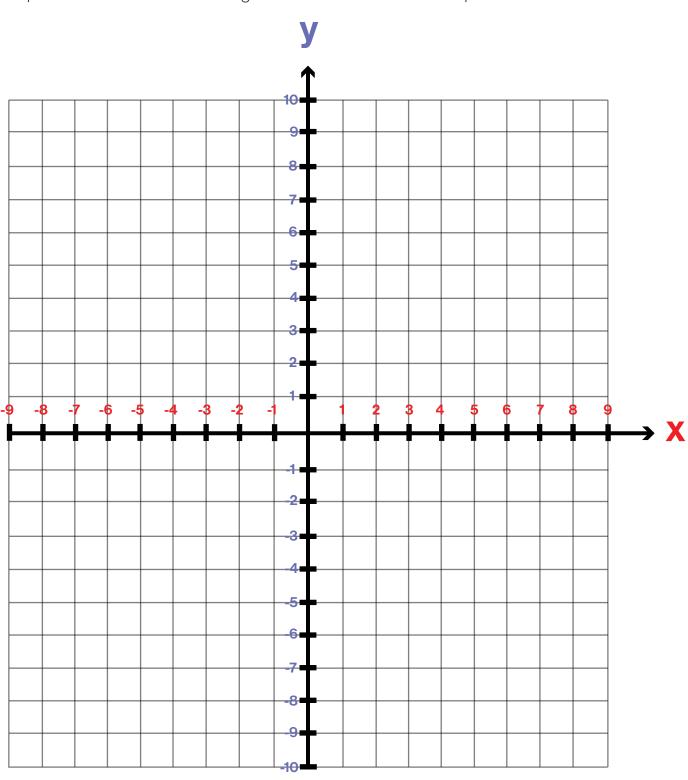
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Name:	Doto
Name.	Date:
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Question 1

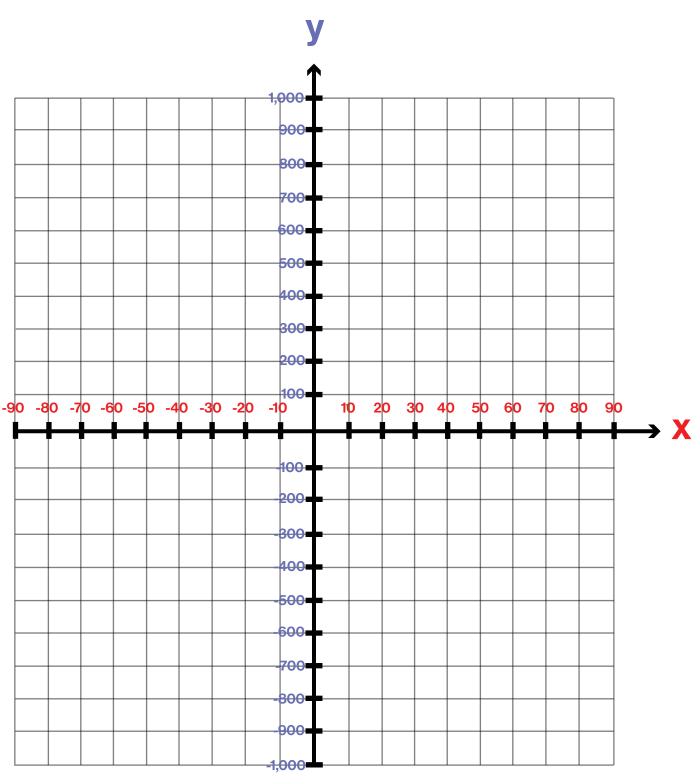
Label the quadrants and determine the sign of both coordinates in each quadrant



Question 2

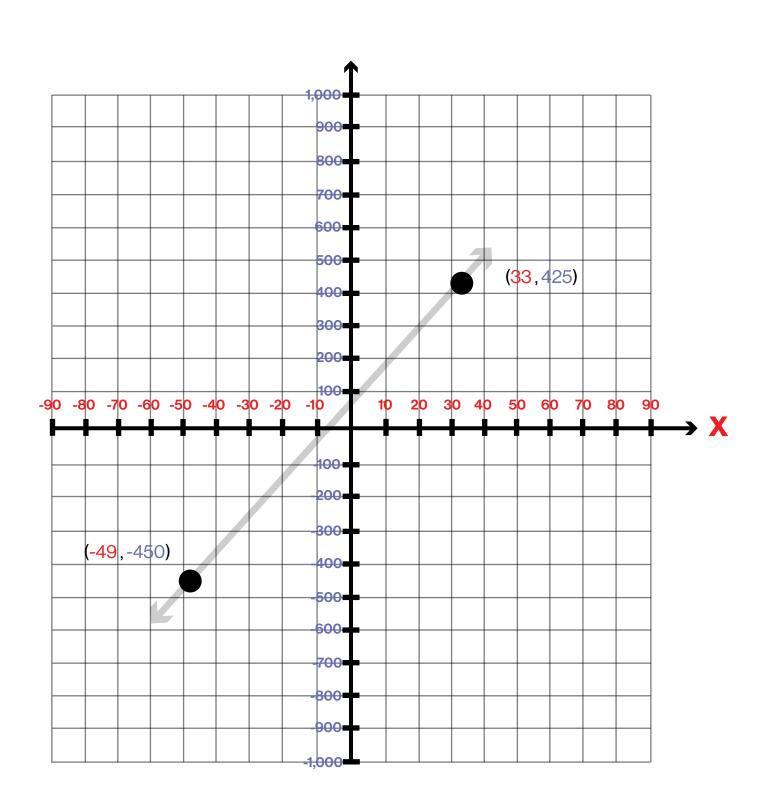
Plot the ordered pairs

(-50,200) (50,700) (10,-100) (-80,-900) (-15,-150) (90,0) (40,-950) (-85,1,000)



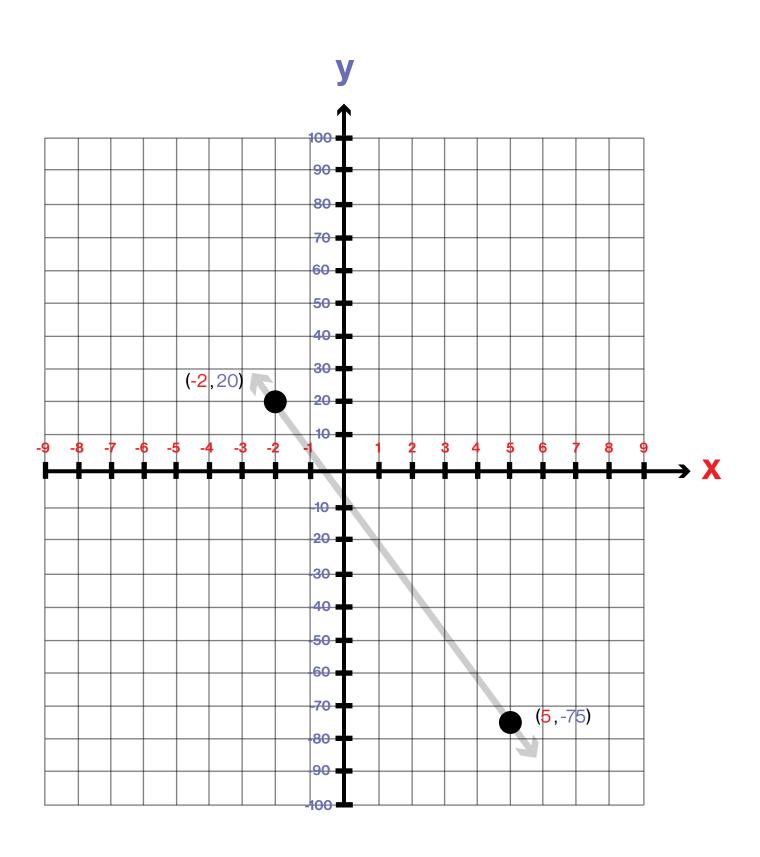
Question 3

Determine the slope and y-intercept



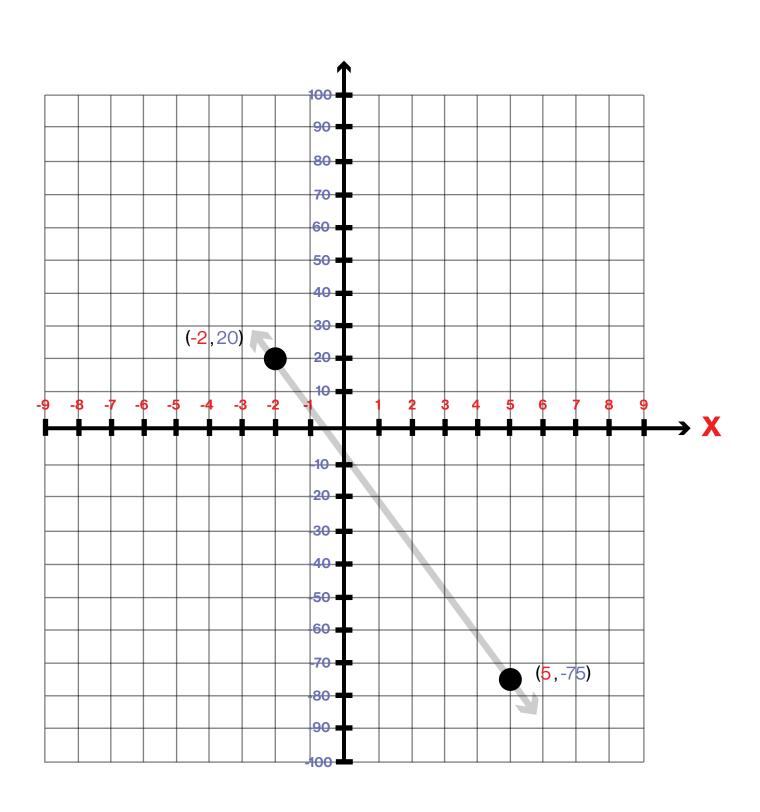
Question 4

Determine the slope and y-intercept



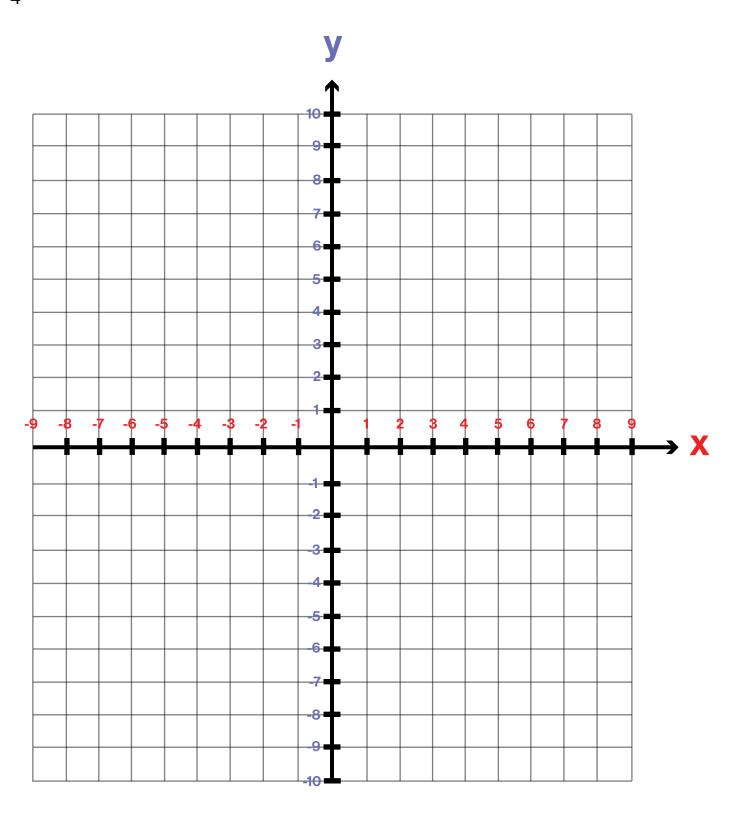
Question 5

Determine the x-intercept



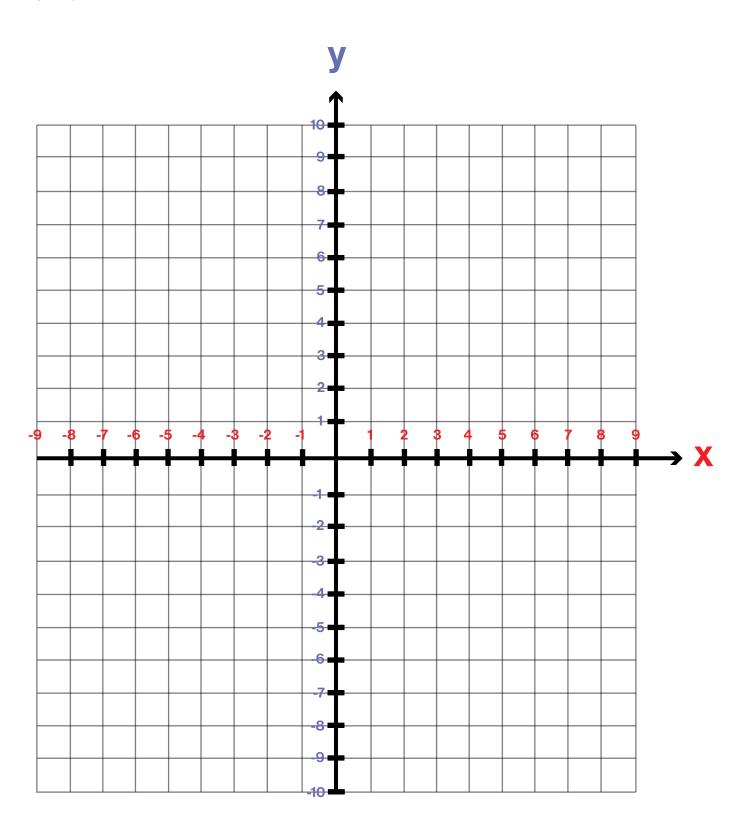
Question 6

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



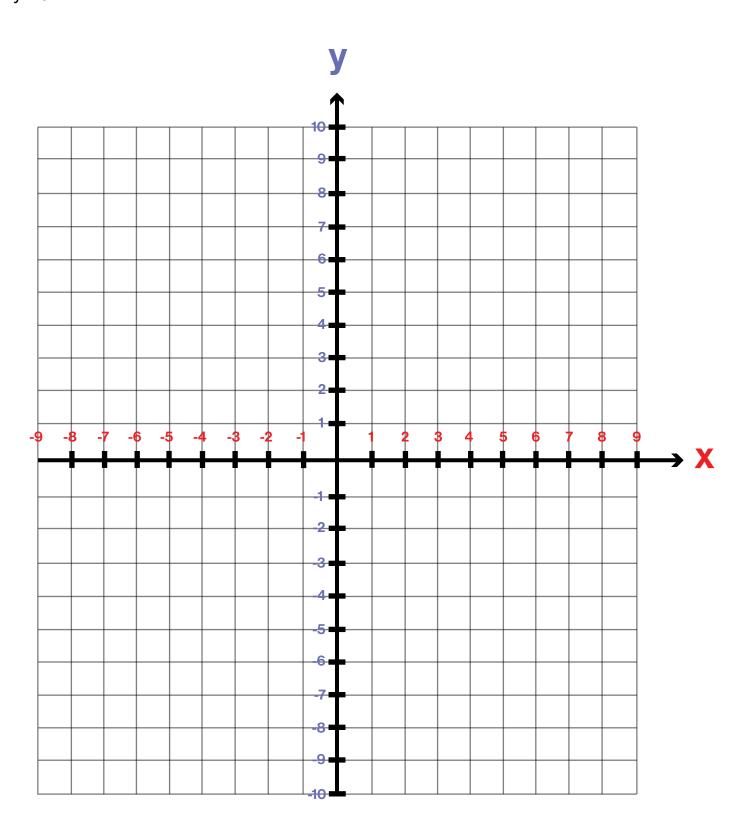
Question 7

$$y-2=3(x-5)$$



Question 8

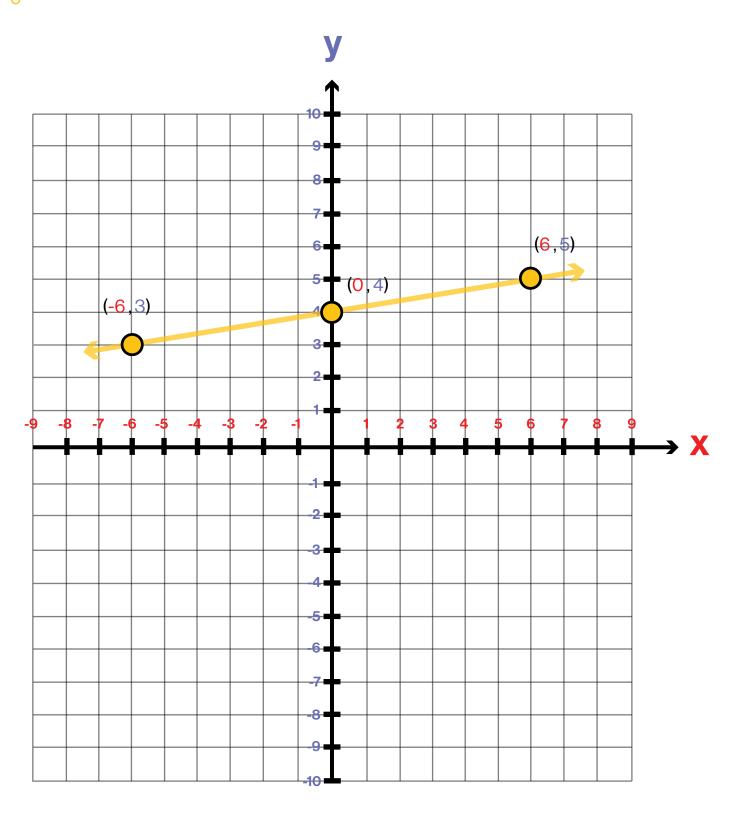
$$x + 2y = 6$$



Question 9

Plot a parallel line

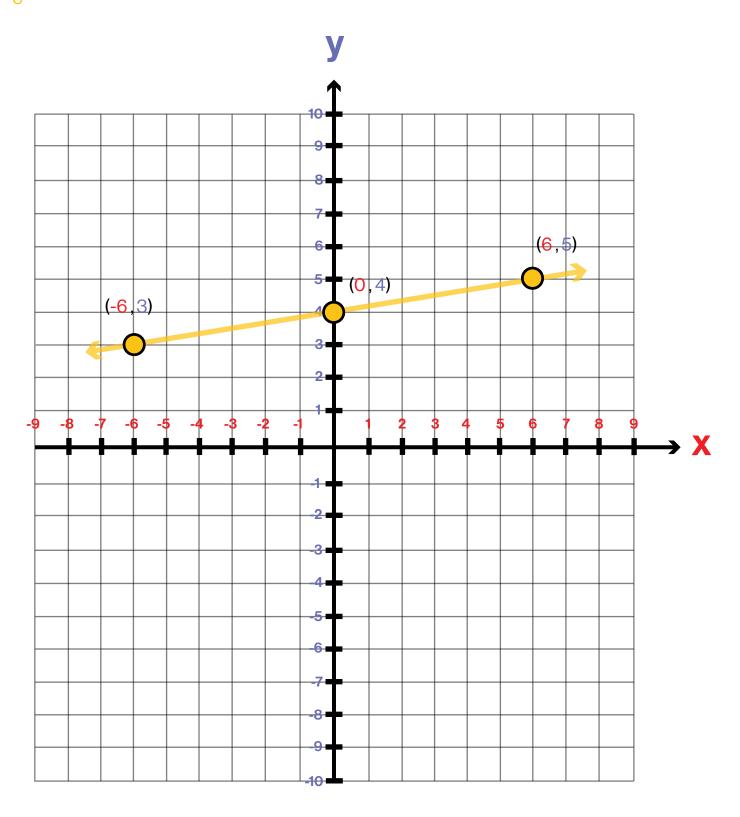
$$y = \frac{1}{6}x + 4$$



Question 10

Plot a perpendicular line

$$y = \frac{1}{6}x + 4$$



Question 11

Convert

I. slope-intercept

$$y = \frac{2}{3} x + 7$$

point-slope

standard form

II. slope-intercept

$$y-0=\frac{1}{2}(x--4)$$

point: (-4, 0)

standard form

III. slope-intercept

point-slope

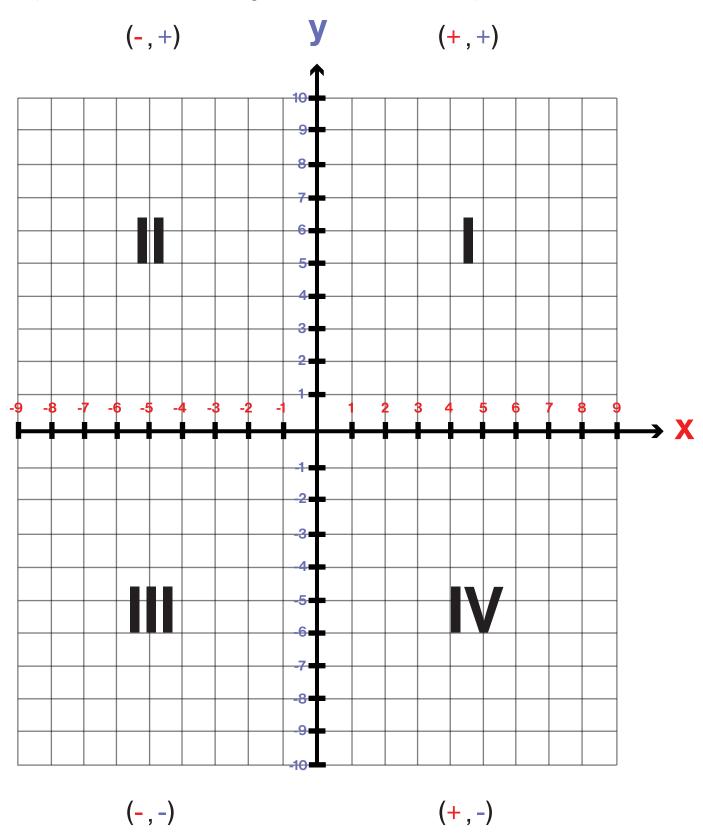
standard form

5x - y = -3

Name: _____ Date: ____

Question 1

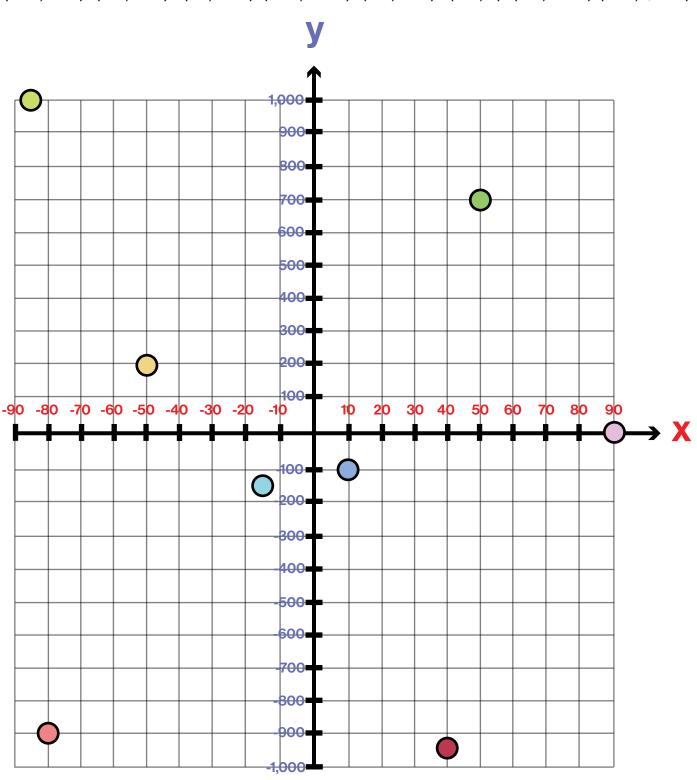
Label the quadrants and determine the sign of both coordinates in each quadrant



Question 2

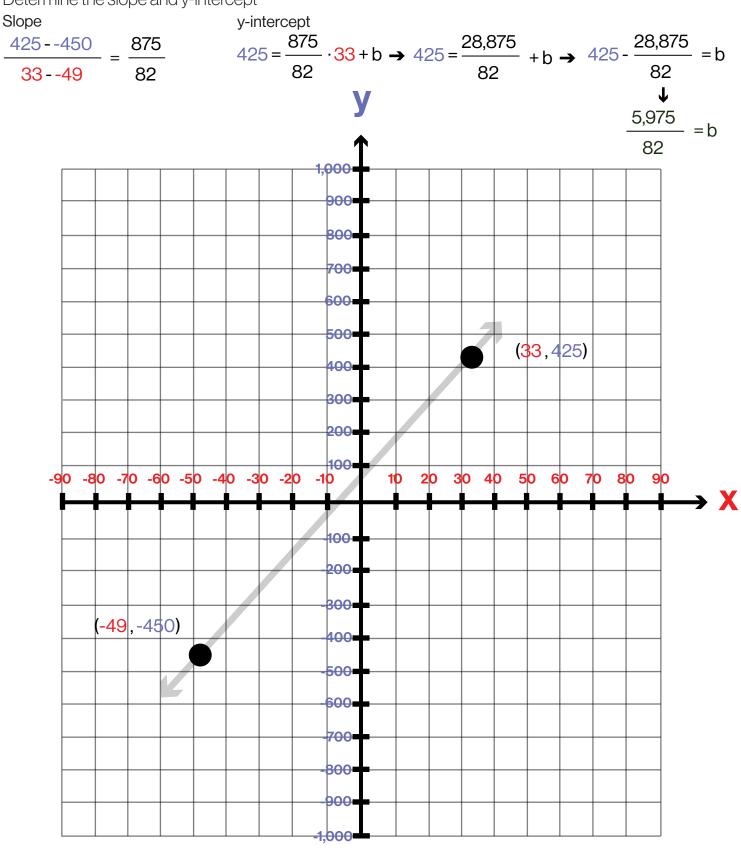
Plot the ordered pairs

(-50, 200) (50, 700) (10, -100) (-80, -900) (-15, -150) (90, 0) (40, -950) (-85, 1,000)



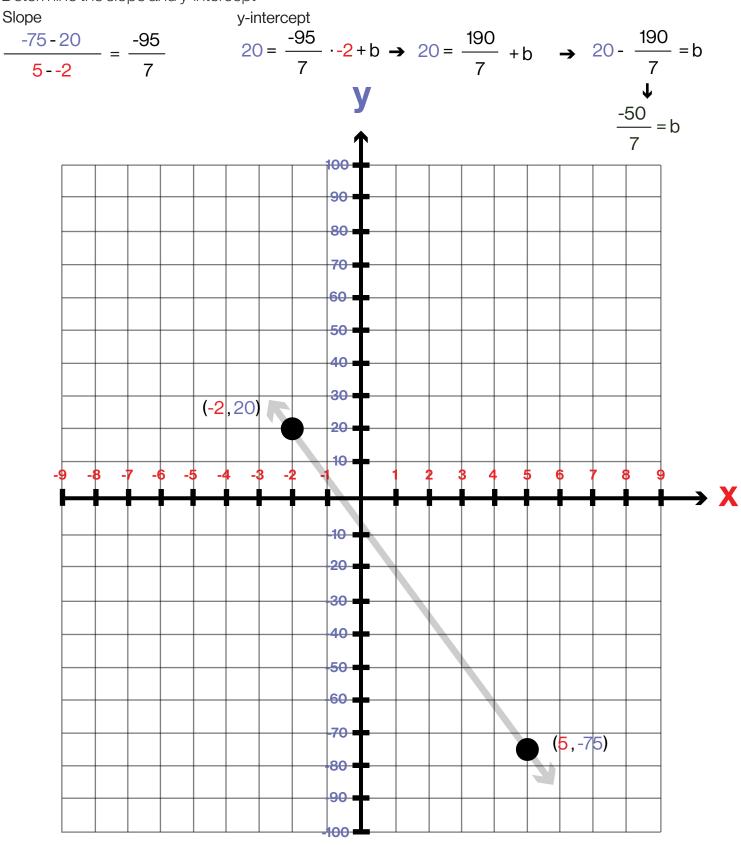
Question 3

Determine the slope and y-intercept



Question 4

Determine the slope and y-intercept



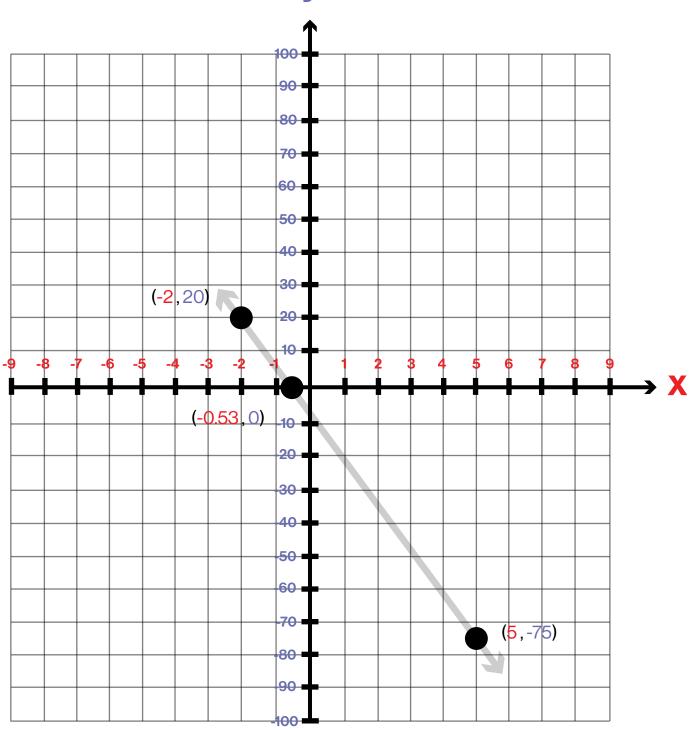
Question 5

Determine the x-intercept

Slope-intercept form

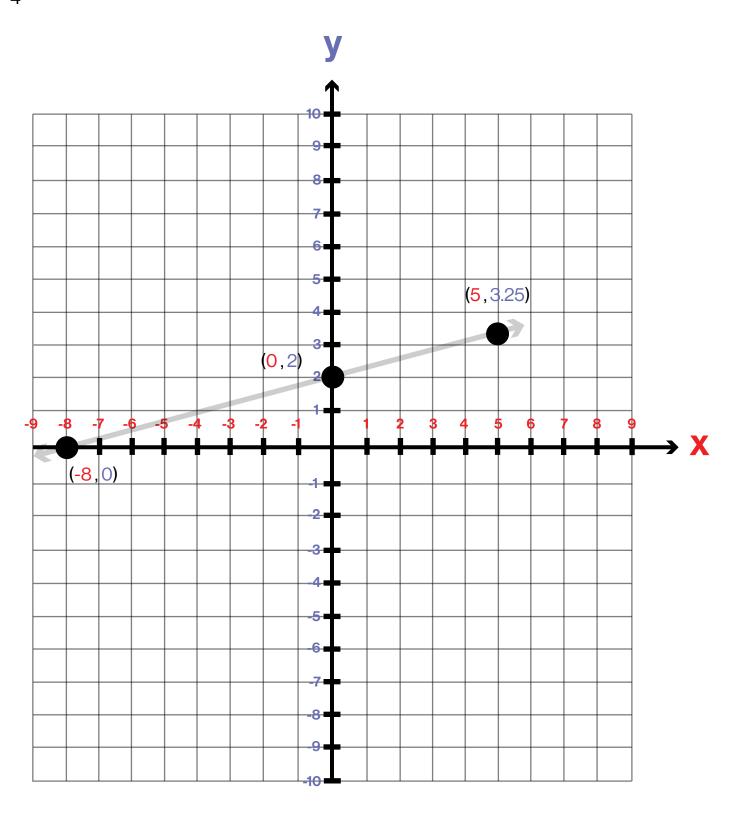
x-intercept

$$y = \frac{-95}{7} \cdot x + \frac{-50}{7} \rightarrow 0 = \frac{-95}{7} \cdot x + \frac{-50}{7} \rightarrow \frac{50}{7} = \frac{-95}{7} \cdot x \rightarrow \frac{-10}{19} = x \rightarrow (\frac{-10}{19}, 0)$$



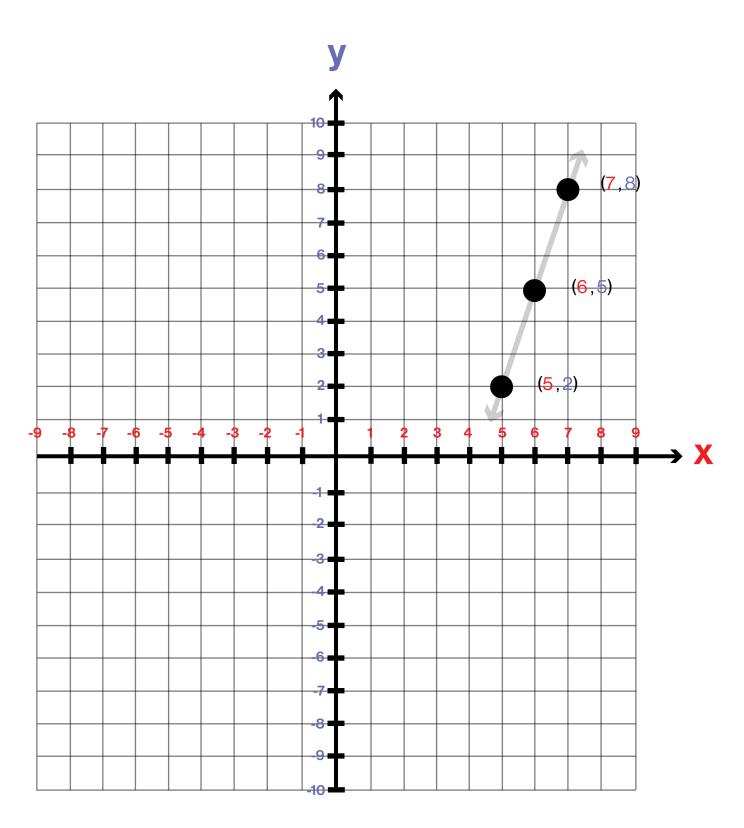
Question 6

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



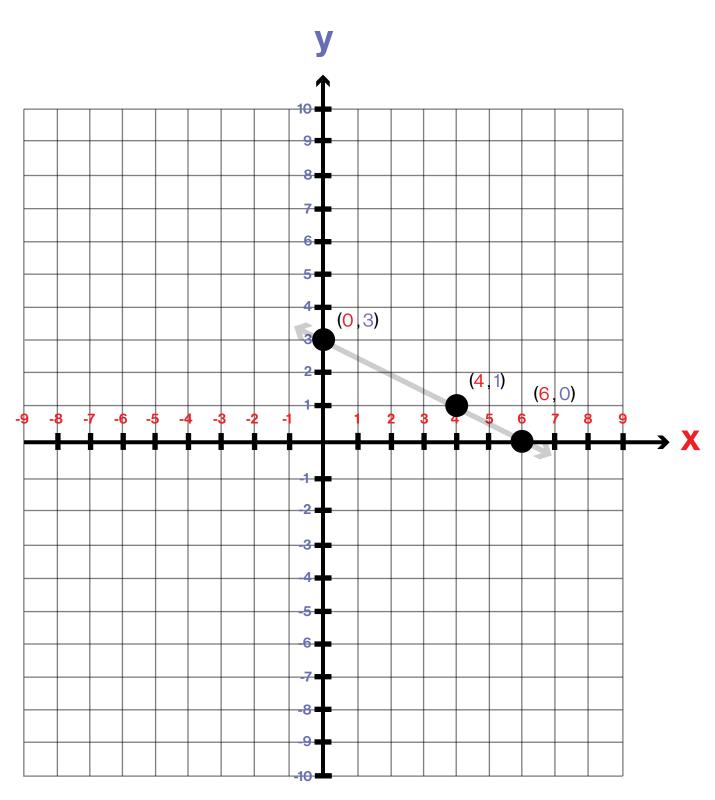
Question 7

$$y-2=3(x-5) \rightarrow y-2=3x-15 \rightarrow y=3x-13$$



Question 8

$$x + 2y = 6 \rightarrow 2y = 6 - x \rightarrow y = \frac{6 - x}{2} \rightarrow y = 3 - \frac{x}{2} \rightarrow y = 3 + \frac{-x}{2} \rightarrow y = \frac{-x}{2} + 3$$

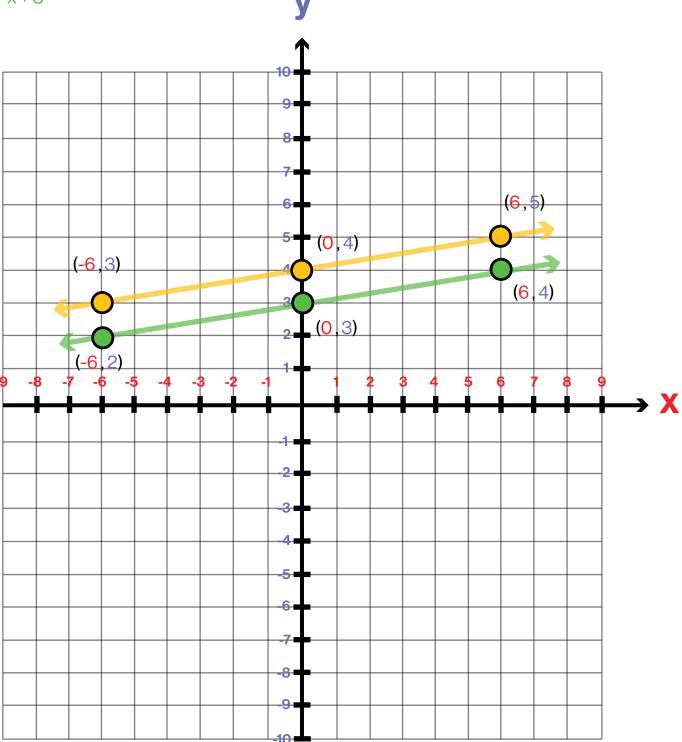


Question 9

Plot a parallel line



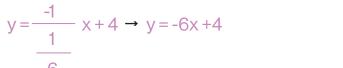
$$y = \frac{1}{6}x + 3$$

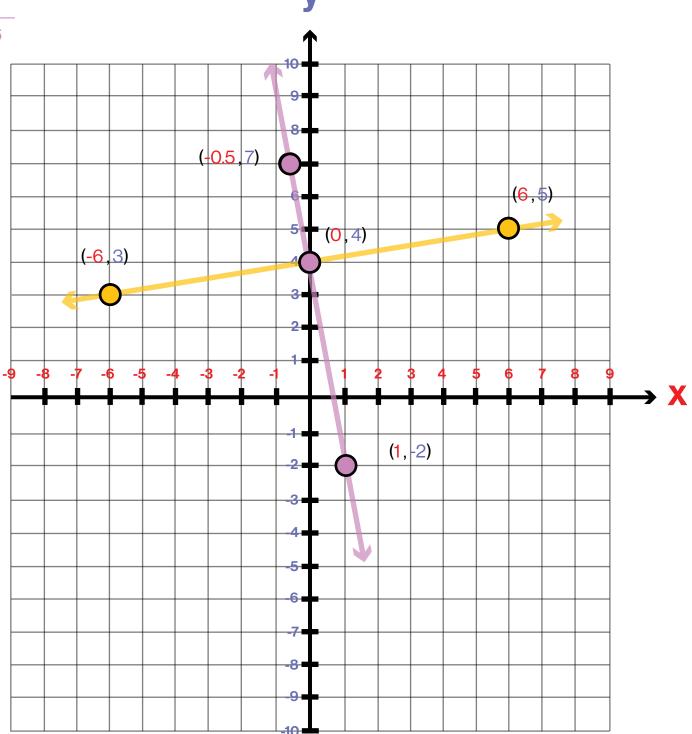


Question 10

Plot a perpendicular line

$$y = \frac{1}{6}x + 4$$





Question 11

Convert

slope-intercept

$$y = \frac{2}{3} x + 7$$

point-slope

$$y-y_1 = \frac{2}{3}(x + x_1)$$

$$y-7=\frac{2}{3}(x+0)$$

point: (0,7)

standard form

$$y = \frac{2}{3} x + 7$$

$$3y = 3\left(\frac{2}{3}x + 7\right)$$

$$3y = 2x + 21$$

$$3y - 21 = 2x$$

$$-21 = 2x - 3y$$

slope-intercept

$$y-0=\frac{1}{2}(x--4)$$

$$y = \frac{x}{2} - -2$$

$$y = \frac{\frac{1}{x}}{2} + 2$$

point-slope

$$y - 0 = \frac{1}{2} (x - -4)$$

point: (-4, 0)

standard form

$$y = \frac{x}{2} + 2$$

$$2y = 2\left(\frac{x}{2} + 2\right)$$

$$2y = x + 4$$

$$\downarrow$$

$$\downarrow$$

$$2y-4=x$$

$$4 = x - 2y$$

|||slope-intercept

$$5x - y = -3$$

$$5x = -3 + y$$

$$5x + 3 = y$$

$$y = 5x + 3$$

point-slope

$$y - y_1 = 5(x - x_1)$$



$$y - 3 = 5(x - 0)$$

point: (0,3)

standard form

$$5x - y = -3$$