

# ACTIVIDAD 1

## Ecuación Punto-Pendiente

1º A (5, 9) y m = 3

$$Y - Y_1 = m(X - X_1)$$

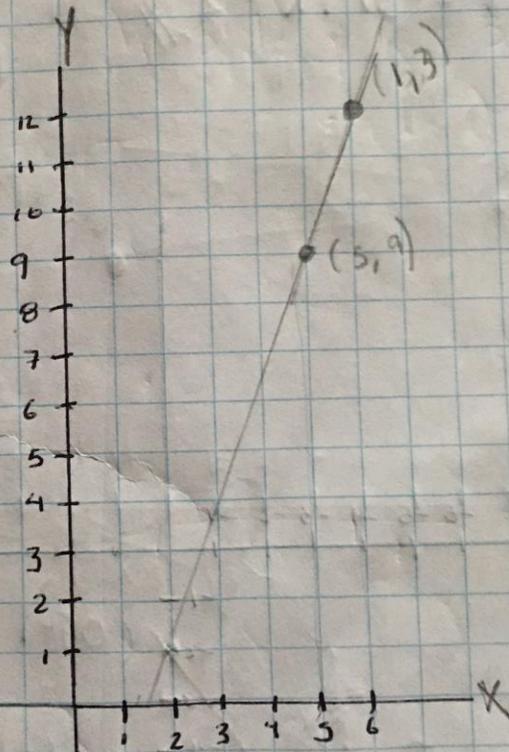
$$Y - 9 = 3(X - 5)$$

$$M = \frac{\Delta Y}{\Delta X} = \frac{3}{1}$$

$$Y - 9 = 3X - 15$$

$$Y = 3X - 15 + 9$$

$$Y = 3X - 6$$



$$2^{\circ} \quad A(0, -2) \quad y \quad m = -\frac{3}{4}$$

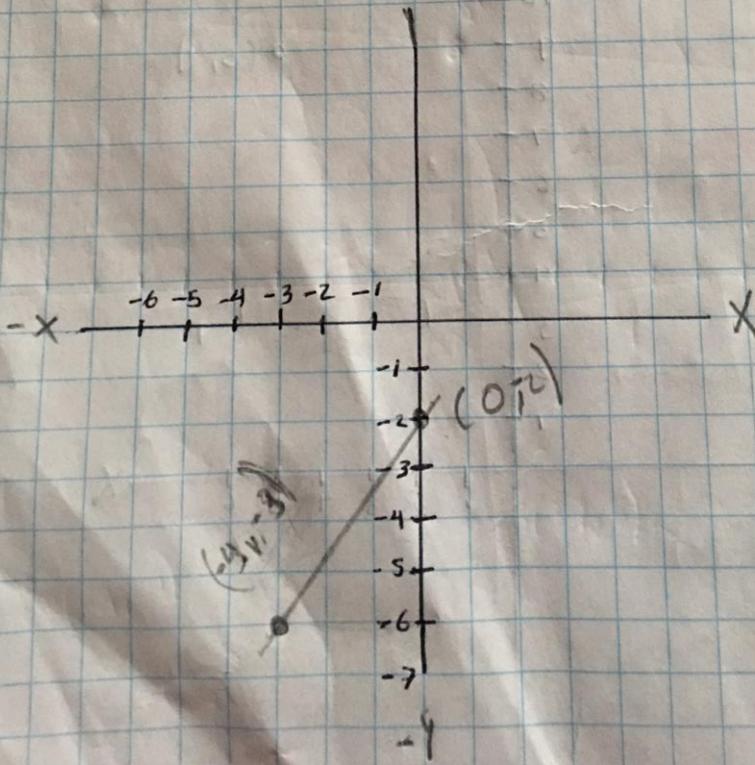
$$y - y_1 = m(x - x_1)$$

$$y + 2 = -\frac{3}{4}(x - 0)$$

$$y + 2 = -3/4x - 0$$

$$y = -3/4x - 0 - 2$$

$$y = -3/4x - 2$$



# ACTIVIDAD 2

Ecuación de la Recta  
que pasa por dos puntos  
dados

$$A(-3, -1) \text{ y } B(5, 2)$$

$$m = \frac{2 - (-1)}{5 - (-3)} = \frac{3}{8}$$

$$m = 3/8$$

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

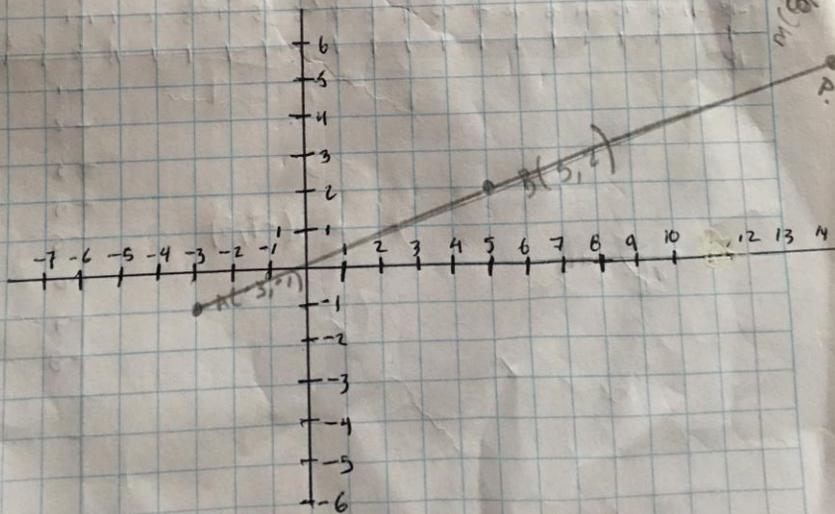
$$\frac{\Delta y}{\Delta x} = \frac{3}{8}$$

$$(y + 1) = 3/8(x + 3)$$

$$(y + 1) = 3/8x + 9/8$$

$$y = 3/8x + 9/8 - 1$$

$$y = 3/8x + 1/8$$



$$A(x_1, y_1) = (2, 4) \quad \text{and} \quad B(x_2, y_2) = (-7, 5)$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{5 - 4}{-7 - 2} = -\frac{1}{9}$$

$$\frac{\Delta y}{\Delta x} = \frac{-1}{-9}$$

$$m = -\frac{1}{9} \quad \#$$

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

$$(y - 4) = -\frac{1}{9}(x - 2)$$

$$(y - 4) = -\frac{1}{9}x + \frac{2}{9}$$

$$y - 4 = -\frac{1}{9}x + \frac{2}{9} + 4$$

$$y = -\frac{1}{9}x + \frac{38}{9}$$

