

Determinar la ecuación de la recta que pasa por **(-1,-4)** y (3,1)

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

$$m = \frac{1 - (-4)}{3 - (-1)}$$

$$m = \frac{5}{4}$$

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

$$y - (-4) = \frac{5}{4}(x - (-1))$$

$$y + 4 = \frac{5}{4}(x + 1)$$

$$(y + 4) = \frac{5}{4}(x + 1)$$

$$4y + 16 = 5x + 5$$

$$-4y - 5x + 11 = 0$$