



Example 2: $\mathbf{y} - \mathbf{y}_1 = \mathbf{m}(\mathbf{x} - \mathbf{x}_1)$ A line has a slope of 4 y - -5 = 4(x - 3)and contains the point (3, -5). X, V) y+5=4(x-3)Write the equation of • the line in point-slope form. Example 3: $y - y_1 = m(x - x_1)$ $Y_{+7} = \frac{1}{2} (x_{+})$ A line has a slope of $-\frac{1}{2}$ and contains the point (-1, -7). Write the equation of the line in point-slope form.

Example 6: Given the equation, y + 4 = 8(x + 2) $y - y_1 = m(x - x_1)$ What is the slope of the line? What is an ordered pair on the line?	slope: $\&$ ordered pair: $(-2, -4)$
Example 7: Given the equation, y = -2(x + 3) y = -2(x + 3) What is the slope of the line? What is an ordered pair on the line?	slope: 2 ordered pair: $(-3,0)$