

What is **Point- Slope** Form?

Identify the slope and the y- intercept. Then, graph the line below.

$$y = \frac{1}{4}x - 3$$

Identify the point and the Slope. Then graph the line below.

$$y - 3 = -2(x + 1)$$

Graph the line below. 3x - 2y = 8



Linear Equations

What is **Slope- Intercept** Form?

y = mx + b f = f + b f =

Identify the slope and the y- intercept. Then, graph the line below.

 $y = \frac{1}{4}x - 3$

 $m = \frac{1}{4} \quad b = -3$ *Start by plotting the y-intercept

(-3), then use the slope (1/4) to plot additional points.



What is **Point- Slope** Form?



point (x_1, y_1)

slope (rise/ run)

Identify the point and the slope. Then graph the line below.

y - 3 = -2(x + 1)

$$m = -2 (x_1, y_1) = (-1, 3)$$

*Start by plotting the point (-1,3), then use the slope (-2/1) to plot additional points.



What is **Standard** Form?

Ax + By = C $\uparrow \quad \uparrow \quad \uparrow$

A, B & C must be integers, and A must be positive.

Graph the line below. 3x - 2y = 8*To graph an equation in Standard

Form, you must first transform the equation into Slope-Intercept Form.







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Print pages 1 & 2 front to back so that the writing is facing in opposite directions.

The final product should look like this:

