Graphing Linear Equations:

To Graph Linear Equations by Plotting Points:

1. Solve the equation for \( y \). (get \( y \) alone)
2. Select a value for \( x \) and substitute in, then record the ordered pair.
3. Repeat step 2 w/ 2 more values.
4. Plot the 3 pts. (they should be collinear)
5. With a straightedge, draw the line through the points w/ arrows.

Graph: \( y = 3x + 6 \)
Graph: \( 2y = 4x - 12 \)
Graph: \( 2x + 5y = 0 \)

The **x-intercept** is where a line crosses the **x-axis**.
The **y-intercept** is where a line crosses the **y-axis**.