## Graphing Equations - Quick Reference

## Slope= rise <br> run

- Calculate the slope by choosing two points on the line.
- Count the rise (how far up or down to get to the next point?) This is the numerator.
- Count the run (how far left or right to get to the next point?) This is the denominator.
-Write the slope as a fraction.


Slope $=3 / 5$
** Read the graph from left to right. If the line is falling, then the slope is negative.
If the line is rising, the slope is positive.
**When counting the rise and run, if you count down or left, then the number is negative. If you count up or right, the number is positive.

## Slope Intercept Form



## Graphing Using Slope Intercept Form

1. Identify the slope and y-intercept in the equation.

2. Plot the y-intercept on the graph.

3. From the y-intercept, count the rise and run for the slope. Plot the second point.

4. Draw a line through your two points.

