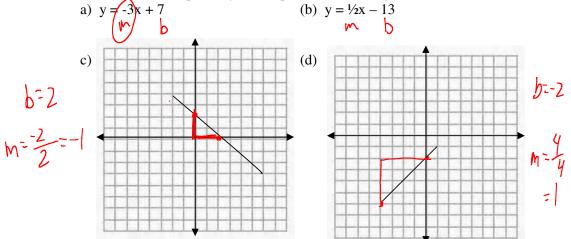
Lesson 3: Review of Graphing Lines

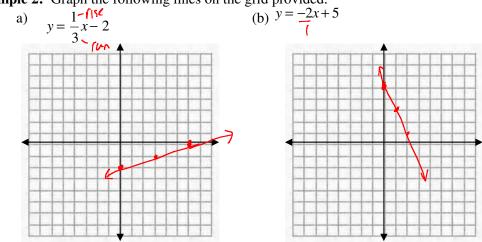
All lines can be written in the form y = mx + b where $m = \underbrace{S_{0} \rho e}_{(or the steepness of the line)}$ and $b = \underbrace{V_{0} h e_{f_{0}} \rho f}_{(where it crosses the y axis)}$. Recall, that slope is defined as rise over run.

Example 1: State the slope and y-intercept of the following lines.



To graph lines of this form the following steps must be followed:

- Step 1: Plot the y-intercept on the y axis
- Step 2: From the y-intercept plot the slope (ie. rise over run)
- Step 3: Repeat step 2 to determine another point on the line



Example 2: Graph the following lines on the grid provided.

If the equation of a line is not given in y = mx + b form we must rearrange the equation into this form prior to graphing.

Example 3: State the slope and y-intercept of the following lines.

