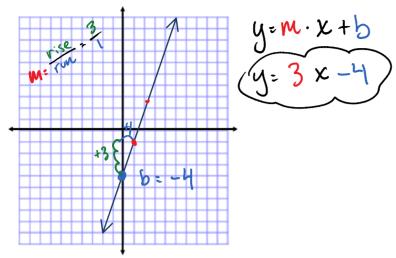
Linear Functions

Tuesday, May 13, 2014 6:56 AM

Linear Functions can be represented in several ways



There are several ways to write the equation of a line, and *slope-intercept* form is just one of those.

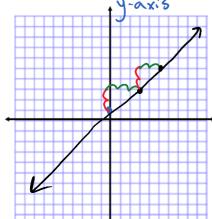
$$y = m \cdot x + b$$

Where *m* is the line's **slope**And *b* is the line's **y-intercept**

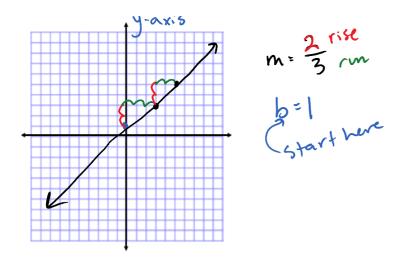
Example: Identify the slope and y-intercept of the function below

$$y = \frac{2}{3} \cdot x + 1$$

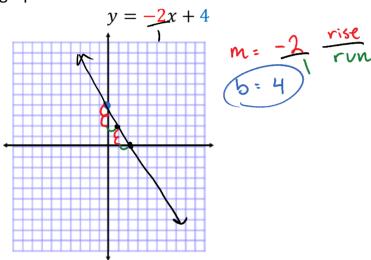
Now graph the line using the slope and y-intercept



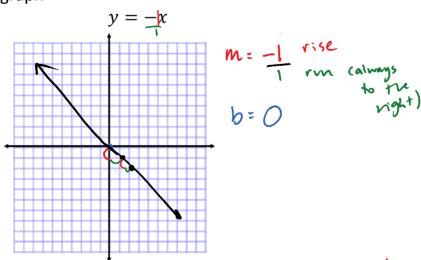
b=1 Cstart here



Example: Identify the *slope* and *y-intercept*, then graph



Example: Identify the *slope* and *y-intercept*, then graph



Example: Identify the slope and y-intercept 2x - 5y = 10 $y = m \times + b$

$$2x - 5y = 10$$

