Lesson 1: Getting Started...

Some terms to re-call:

• x-intercept

• y-intercept

• y-intercept

y-intercept

coefficient

• point of intersection (PO

equation

Match the definition with the appropriate term above

The location where a graph crosses the x- axis.

The ordered pair (x, y) where two lines cross.

This states that two things (or two sides) are the same or "equal" to each other, using an equal sign (=).

A number that multiplies a variable. This number is located in front of the variable.

The location where a graph crosses the y- axis

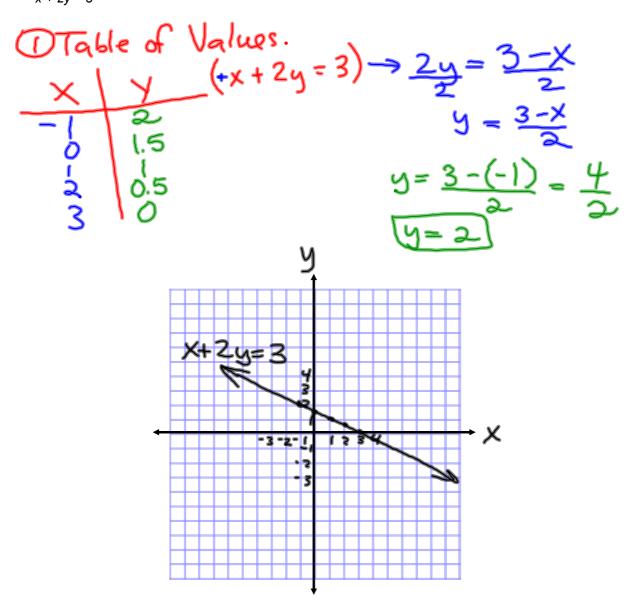
Graphing Linear Relations

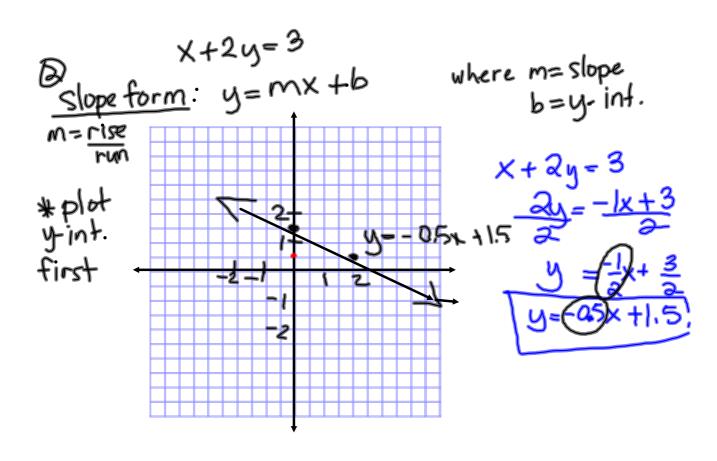
There are several strategies we can use to graph a linear relation.

We can:

- Create a table of values
- Use the slope and y-intercept
- Use the x- and y- intercepts

Graph the following relation using the three strategies. x + 2y = 3





 $\begin{array}{c} x + 2y = 3 \\ 3 \times \text{and } g \text{- intercepts} \end{array}$ $\begin{array}{c} \text{To find the } x \text{- int} : \\ \text{Let } y = 0 \\ \text{\times + 2y = 3$} \\ \text{$\times$ + 2(0) = 3$} \\ \text{$\times$ + 2(0) = 3$} \\ \text{$\times$ + 2y = 3$}$

Expanding and Simplifying algebraic expressions: