## Today's Plan:

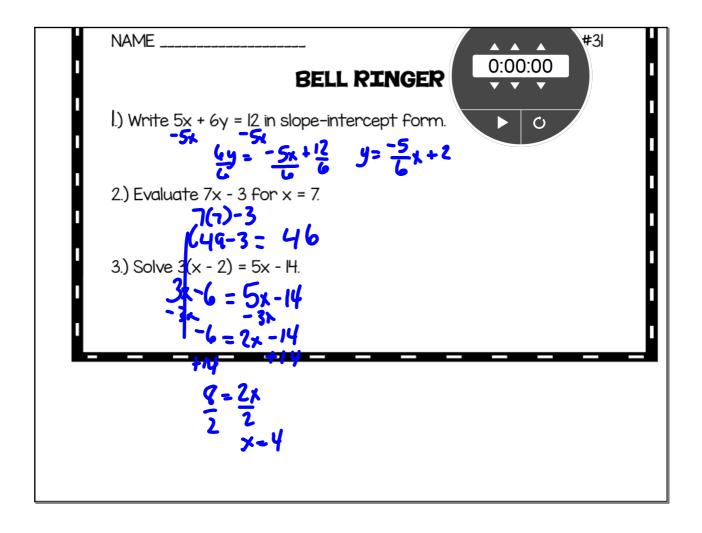
**Learning Target (standard)**: I will graph linear equations using *t*-charts.

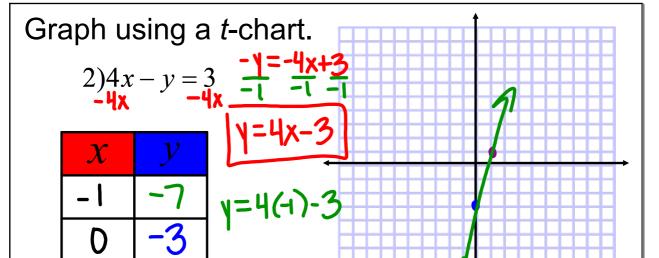
**Students will**: Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, take notes over new material and complete practice problems over new concepts.

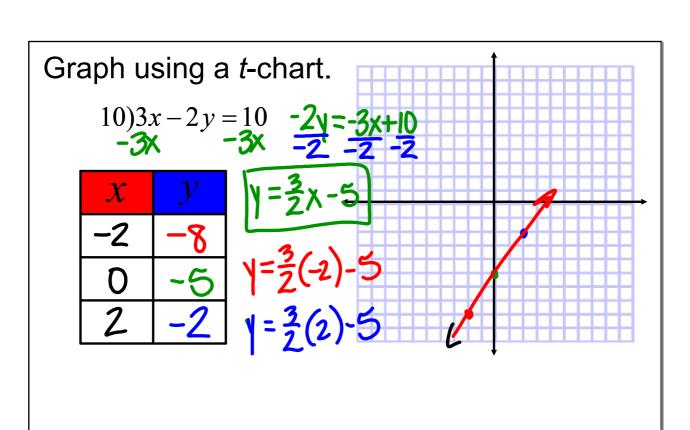
**Teacher will**: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of new concepts and assign students assessment problems over new concepts.

Assessment: Board work, homework check and homework assignment

**Differentiation**: Students will work at the board, go over and correct homework at their seats, actively engage in lecture over new concepts, practice new concepts with the aid of other students and the teacher and complete homework assignment.



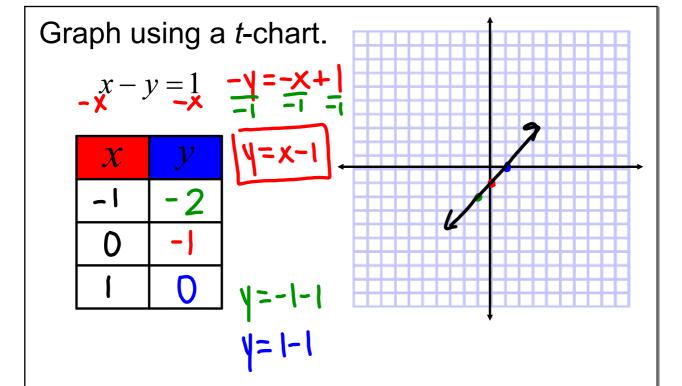


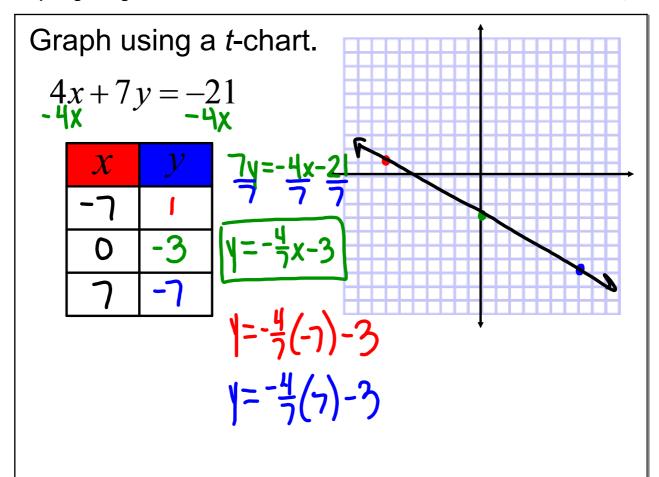


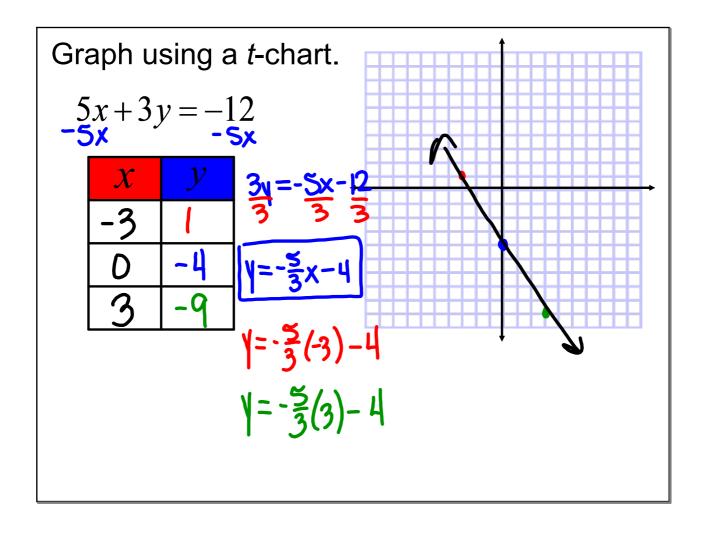
## Equations in two Variables: "Linear Equations"

- the graph of a linear equation always results in the graph of a line
  - oblique line Ax + By = C "standard form" oblique line y = mx + b "slope-intercept form"

  - horizontal line y = # y = -3 y = 5
  - vertical line x = # X=2 X=0



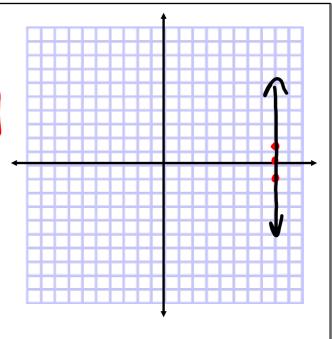




Graph using a *t*-chart.

$$2x - 6 = 10$$
  $2x = 16$ 

$\mathcal{X}$	y
8	-1
8	0
8	١



Describe the process for setting up a t-chart and using it to graph the given linear equation.

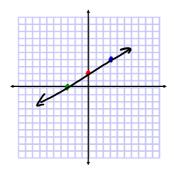
$$-\frac{2x}{2x}$$
  $\frac{3y}{-2x}$   $\frac{-3y}{-2x} = \frac{-2x}{-2}$ 

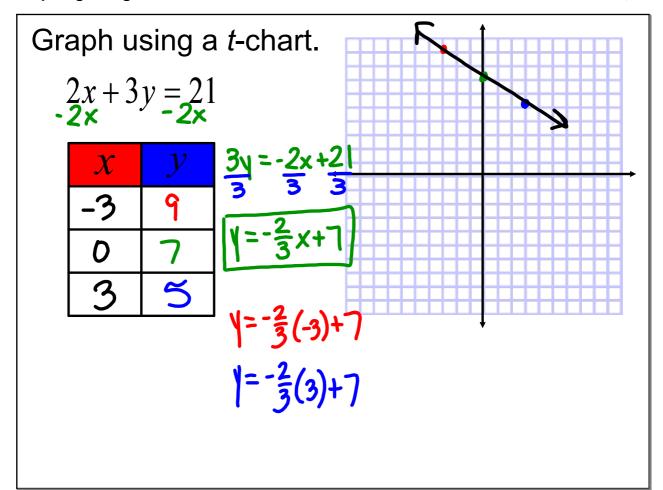
2x-3y=-6 -2x standard form

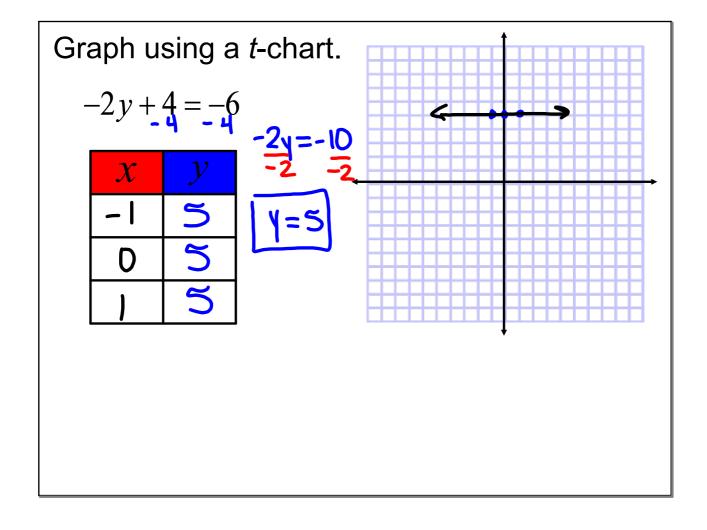
Slope-intercept form

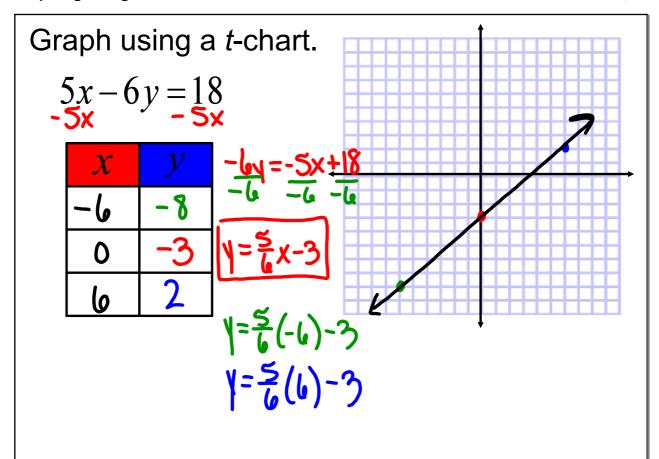
$$\sqrt{1 + \frac{2}{3}x + 2}$$

$$Y = \frac{2}{3}(-3) + 2$$









## Assignment:

Graphing with *t*-Charts 2 Worksheet #1-10

\* Set up t-chart following the rules from class & show ALL work! \*