WARM UP:

Solve each of the following for y:

$$3x + 2y < -12$$
 $-3x$
 $-3x$
 $2y < -12 - 3x$
 $2y < -12 - 3x$
 $y < -6 - 3x$
 $y < -6 - 1.5x$

$$4x - 3y \ge 6$$

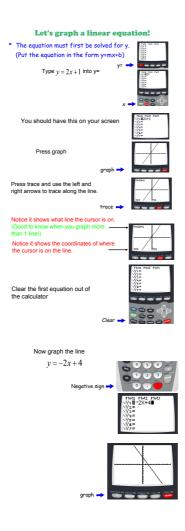
$$-4x$$

$$-3y \ge -4x + 6$$

$$-3y \ge -4$$

Some basics you should know about the graphing calculator.

Standard Graphing Window X - (-10,10) y - (-10,10) You can set your calculators window to the the standard size by pressing Zoom 6. Press the Window button and look at the dimensions of the viewing screen. Xscl=1 refers to the tick marks along the x axis. Yscl=1 refers to the tick marks along the y axis. You can change the dimensions of the viewing screen by changing any of the numbers. Try Ymax = 20 and then press graph See the change!?!



Question: How do I take the graph that's on the calculator and put it on my paper? (Accurately!)

Answer: Use the table to find points that are on the line.

Press 2nd table

See all of the points you can graph!

Use your up and down arrows to view more points.

Let's graph a linear inequality!

- * The equation must first be solved for y. (Put the equation in the form y=mx+b)
- 1. Turn Inequalz on in the Apps on your calculator.

(Once it's turned on it will remain on) Apps

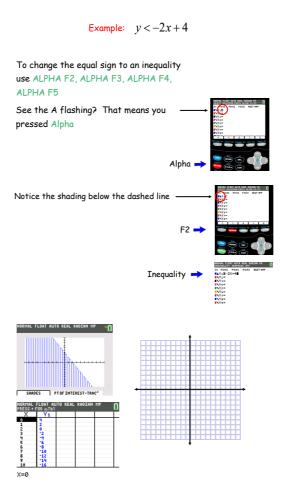




2. Press the button y=



Now we are ready to enter an inequality...

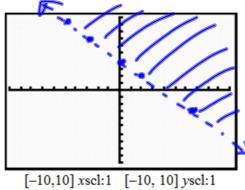


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1) Graph each inequality using your graphing technology.

Draw the graph in the frame provided and complete the table of values from the TABLE feature of your calculator.

a) Graph y > -x + 4



Y_1	
9	
7	
4	
2	
-3	
-11	

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