

<Name of problem>

On a graph page, go to the command line and delete the equal sign. When you delete the =, a pop up menu will appear with the inequalities. Choose the appropriate inequality for graphing $y \leq -x + 52$

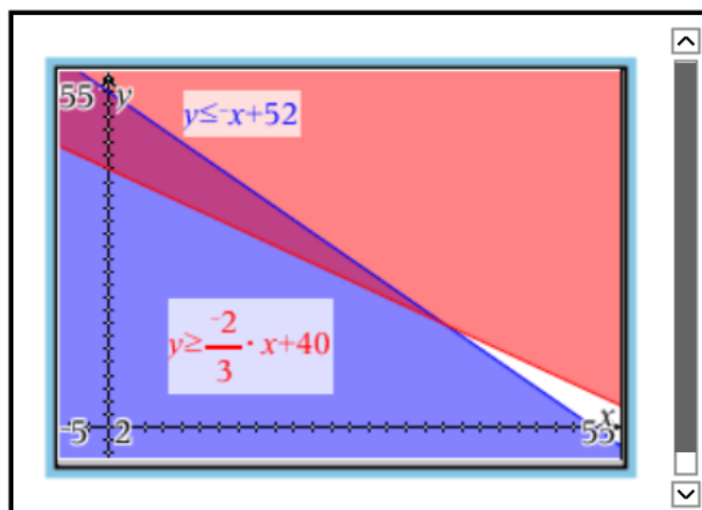
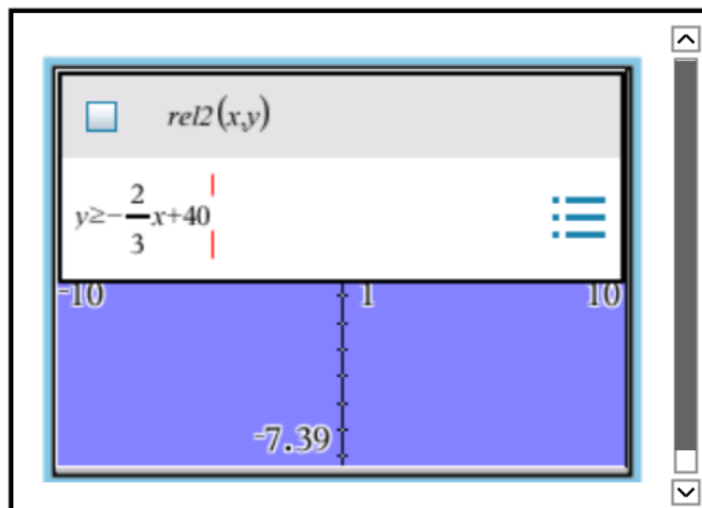
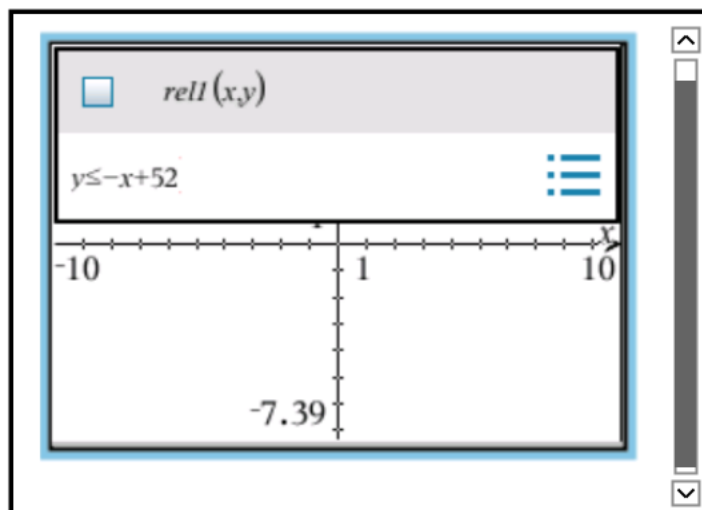
Press the down arrow to graph

$$y \geq -\frac{2}{3}x + 40$$

When you down arrow, the command line has switched to the relationship entry line. To bring up the inequality symbols, press <ctrl> then <=>. Choose the appropriate inequality from that pop up menu.

Adjust the window to an appropriate setting.

When you are done graphing inequalities, to get back to function mode, press menu
choose Graph Entry/Edit
choose Function



EXERCISE #3

Another way to graph inequalities...

When you are on a function command line, delete the equal sign. When the pop up menu appears, choose Relation.

When you are in relation, you do not have to solve for y to graph.

Type $x+y \leq 500$

Press the down arrow

Type $5x+10y \geq 2000$

Press enter

Adjust your window appropriately.

You can use this method for graphing equations also. The only disadvantage to using this method is that if you are graphing an equation in relationship mode, you cannot bring up a table. This is a good method for checking your work in case you made an error when solving for y.

