NAME AND CLASS PD_

Graphing an inequality in y > mx + b form is not that different than graphing an equation of the y=mx+b form.

- 1. Locate the line of the graph as if it were y = mx + b, then you get fancy with it.
- 2. Remember open circles were used when there was no = sign in your inequality. Now you use **a** dashed line for < or >. A solid line means the inequality has an equal sign too: $\leq or \geq$.
- 3. Then you have to "shade" up for greater than, down for less than. Examples:

Graph:





GRAPHING SYSTEMS OF INEQUALITIES of the y > mx + b form DUE EXAM DAY

NAME AND CLASS PD_

Graphing a system of inequalities in mx + b form is not that different than graphing an inequality.

- 1. Locate **both** lines of the graph as if they were y = mx +b, then you get fancy with it.
- Remember open circles were used when there was no = sign in your equality? Well, now you use a dotted (dashed) line with open spaces between the dashes. AS solid line means it has an = sign also.
- 3. Then you have to "shade" up for greater than, down for less than. Examples:



HOMEWORK: Graph the following System of Inequalities

