Solving Inequalities Graphically

If the line is a boundary for values that **are** included, the line must be drawn with a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

If the line is a boundary for values that **are not** included, the line must be drawn with a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

To solve inequalities graphically

1. Draw the lines for the inequalities (remember solid or dashed lines!)
2. Choose a point on either side of the line to test if the inequality is true or not
3. Shade the region that **\_\_\_\_\_\_\_\_\_\_\_\_\_** satisfy each inequality
4. The solution will be the \_\_\_\_\_\_\_\_\_\_\_\_\_ region

EXAMPLES: Identify the region that satisfies the following inequalities

