**Creating a System of Inequalities Activity**

**Step 1:** Write a system of inequalities in the space below.

 (Each partner will write one of the inequalities.)

**Step 2:** Use Desmos graphing calculator to graph your system of inequalities.

 Show your results on this graph.

**Step 3:** Each partner is to change 1 thing about their partner’s inequality.

 Show your changes below.

New System of Inequalities:

**Step 4:** Use Desmos graphing calculator to graph your **new** system of inequalities.

 Show your results on this graph.



**Step 5**: Discuss with your partner how the changes affected the graph/solution.

 Record your findings in the space below.