## **Systems of Linear Inequalities**

- A system of linear inequalities is a set of two or more inequalities that are graphed using a single coordinate system.
- The solution to a system of linear inequalities is a region formed by an overlap of all individual solutions.
- If all the individual solutions do not overlap, the system has no solution. Note that if for example 3 out of 4 inequalities overlap, the system still has no solution.

Examples: Describe the solution to the given system:



PC11

