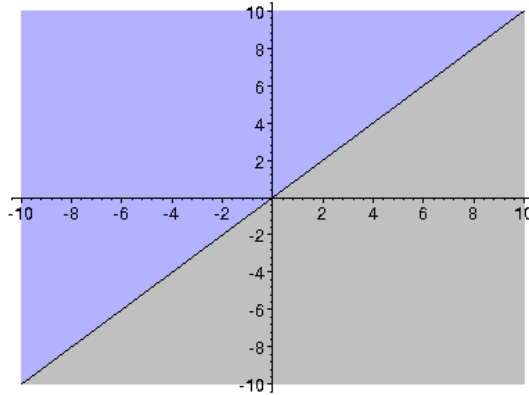


Graphing inequalities with two variables



- Step 1: If there is more than one inequality, do each one separately.
- Step 2: Find two points that will satisfy the condition.
- Step 3: Connect the points using a solid line if \leq or \geq and a dotted line if $<$ or $>$.
- Step 4: Choose a test point that is not on the line i.e., $(0, 0)$ or $(1, 1)$ or $(0, 1)$.
- Step 5: If the test point satisfies the condition (that is it is true) then shade the side containing the test point. If false, shade the other side that does not contain the test point.
- Step 6: For more than one inequality: The values that satisfy both inequalities is where the shading interests.