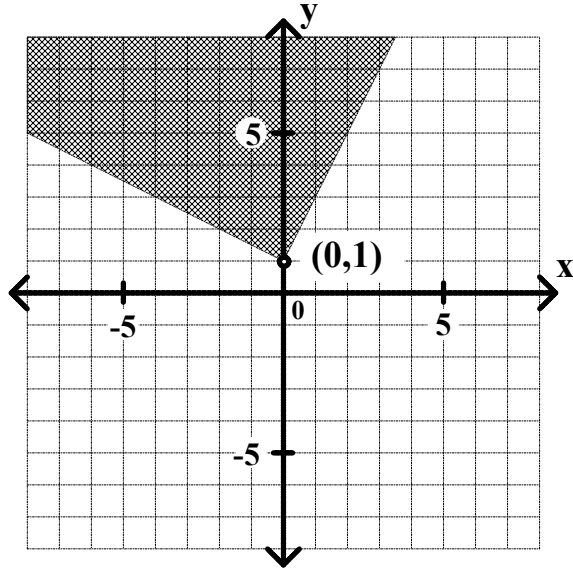


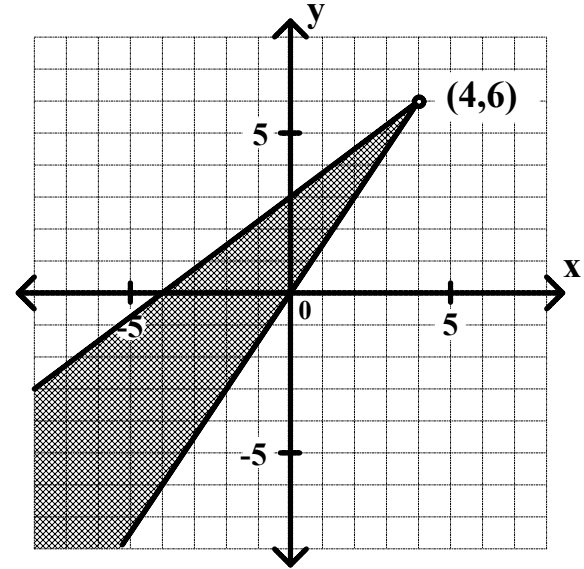
General Algebra II Worksheet #4 Unit 4 Selected Solutions

Graph the solution set of each of the following compound inequalities on the graph paper provided. Find the coordinates of any vertex.

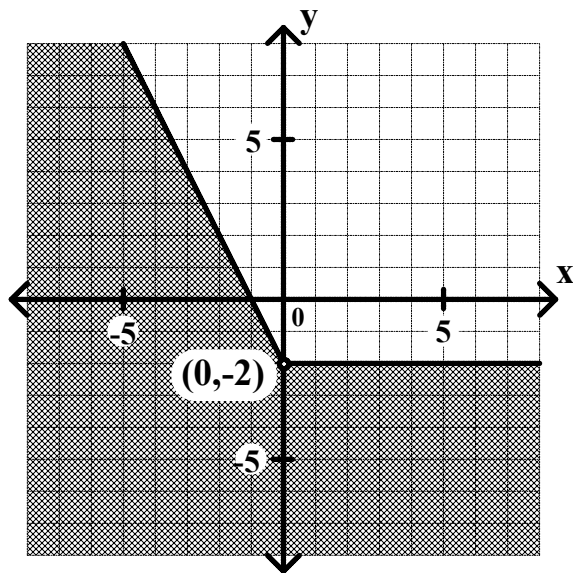
1. $x + 2y > 2$ and $y > 2x + 1$
 $2y > -1x + 2$
 $y > -\frac{1}{2}x + 1$ and $y > 2x + 1$



4. $3x - 2y \leq 0$ and $-3x + 4y \leq 12$
 $-2y \leq -3x + 0$ $4y \leq 3x + 12$
 $y \geq \frac{3}{2}x + 0$ and $y \leq \frac{3}{4}x + 3$



5. $y \leq -2$ or $2x + y \leq -2$
 $y \leq -2$ or $y \leq -2x - 2$



8. $-x + y \geq 3$ or $x - 3y \geq 3$
 $-3y \geq -1x + 3$
 $y \geq x + 3$ or $y \leq \frac{1}{3}x - 1$

