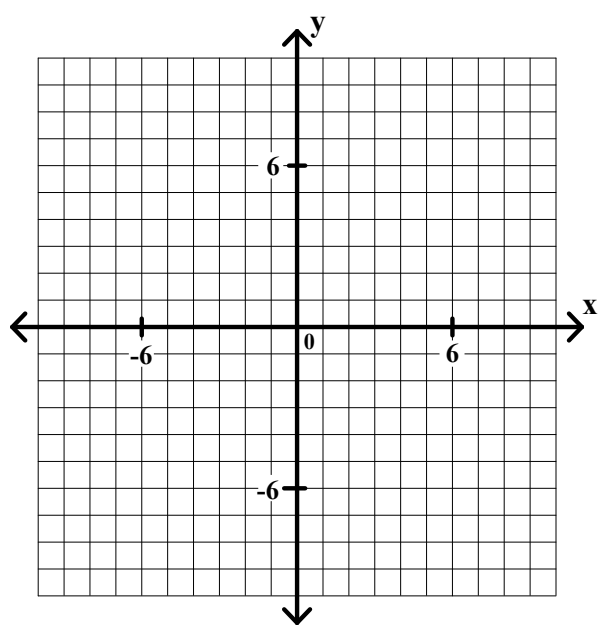
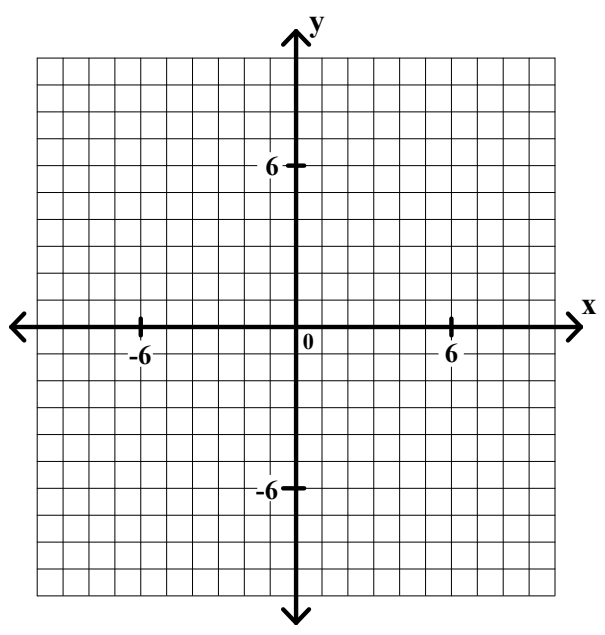


General Algebra II Worksheet #5 Unit 4 page 1 _____

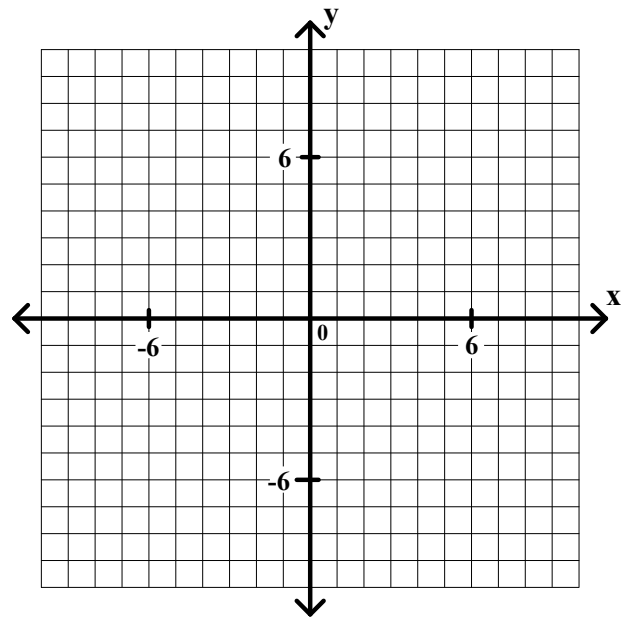
Graph each of the following systems of linear inequalities. Find the x and y coordinates of any vertex.

1. $x + 4 \geq 0$
 $y + 2 \geq 0$
 $x + 2y \leq 12$
 $x + y \leq 8$

2. $y + 3 \geq 0$
 $2x + y \geq -11$
 $2x - 3y \leq 15$
 $x + 3y \leq 12$



3. $y - 7 \leq 0$
 $5x - 3y \leq 24$
 $x - 3y \leq 12$
 $2x + y \geq -11$



Algebra II Worksheet #5 Unit 4 page 2

Graph each of the following systems of linear inequalities. Find the x and y coordinates of any vertex.

4. $-x + 2y \leq 8$
 $2x + y \leq 9$
 $x - 2y \leq 12$
 $-2x - y \leq 6$

5. $x - 6 \leq 0$
 $x + 3 \geq 0$
 $x - 2y \leq 8$
 $2x + 3y \leq 30$
 $2x + y \geq -9$
 $3x - 2y \leq 12$
 $-x + 3y \leq 21$

