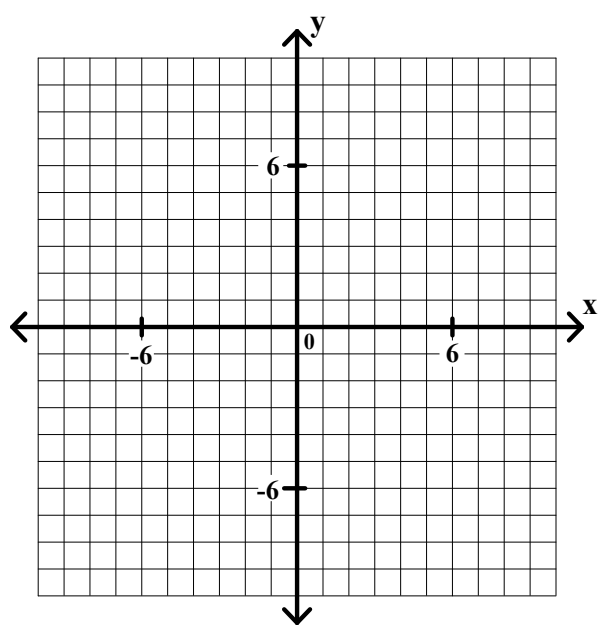
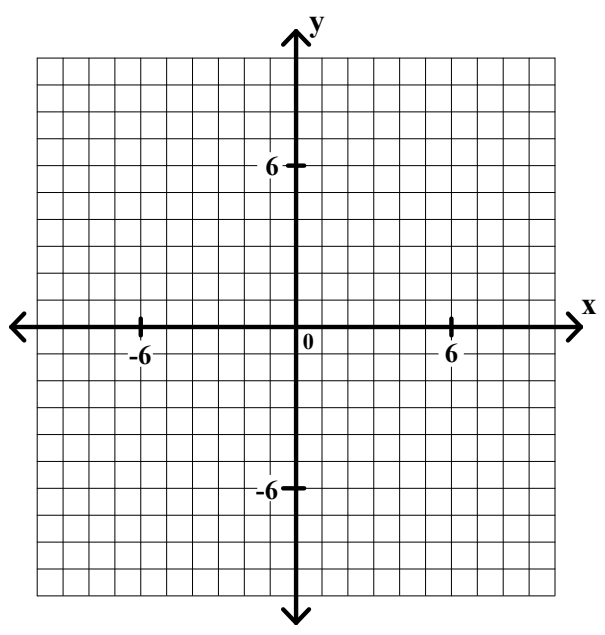


General Algebra II Worksheet #6 Unit 4 page 1 _____

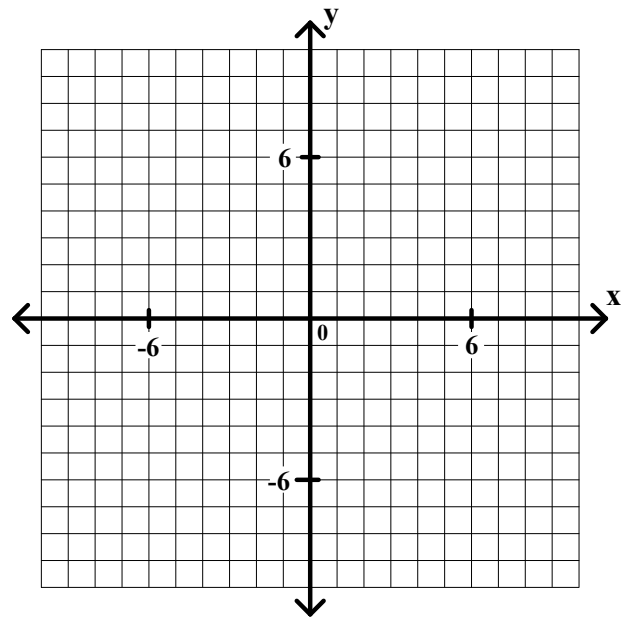
Graph each of the following systems of linear inequalities. Find the x and y coordinates of any vertex.

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

2. $x + 2y \leq 12$
 $-x + 2y \leq 12$
 $2x - y \leq 5$
 $2x + y \geq -5$



3. $x + 2y \geq -10$
 $3x - 2y \leq 10$
 $3x + 2y \leq 14$
 $-x + 2y \leq 14$
 $3x + 2y \geq -18$



Algebra II Worksheet #6 Unit 4 page 2

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

4. $x \leq 6$
 $y \leq 6$
 $x + y \leq 8$
 $x - 3y \leq 18$
 $4x + 3y \geq -18$

5. $x + 3y \leq 15$
 $2x + y \leq 10$
 $x - y \leq 8$
 $x + 2y \geq -10$
 $x + y \geq -7$
 $-2x + 3y \leq 24$

