

General Algebra II

Lesson #3 Unit 4

Class Worksheet #3

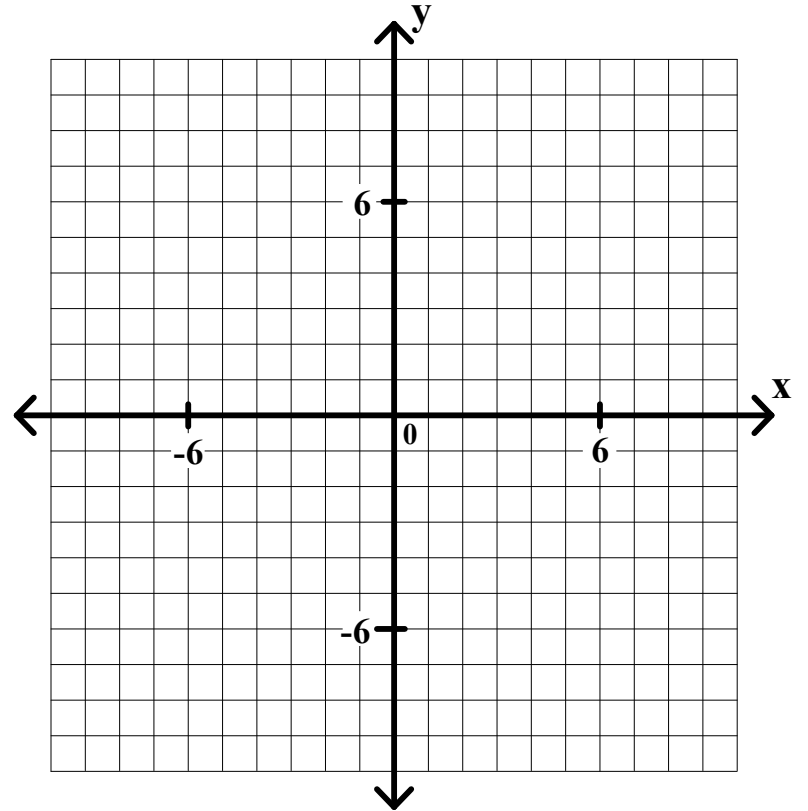
For Worksheets #5 & #6

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$
 $x - y \leq 1$
 $x + 8 \geq 0$

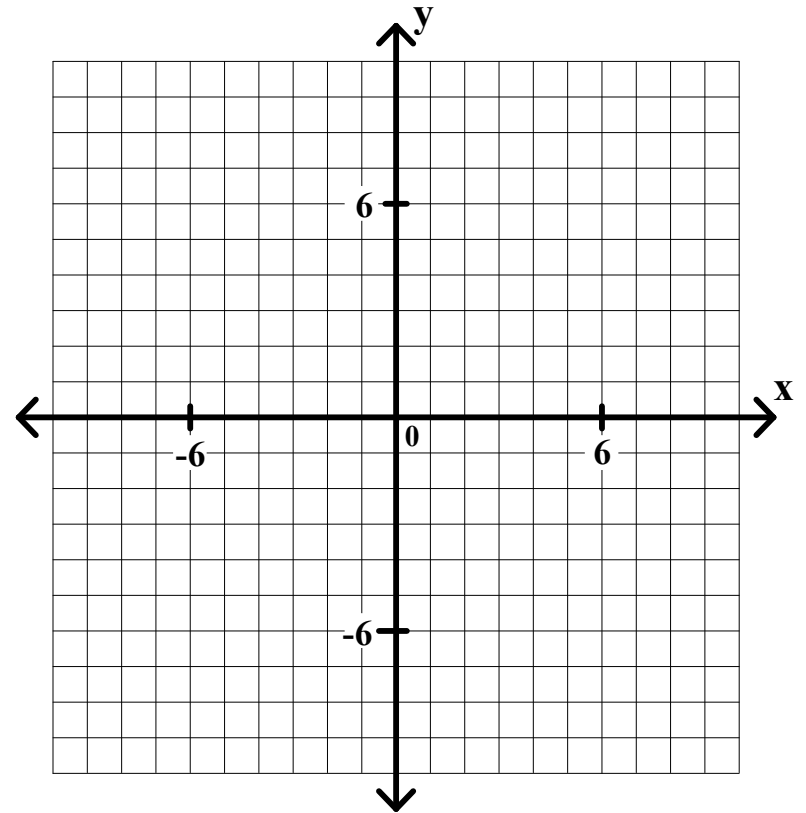


General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$
 $x - y \leq 1$
 $x + 8 \geq 0$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

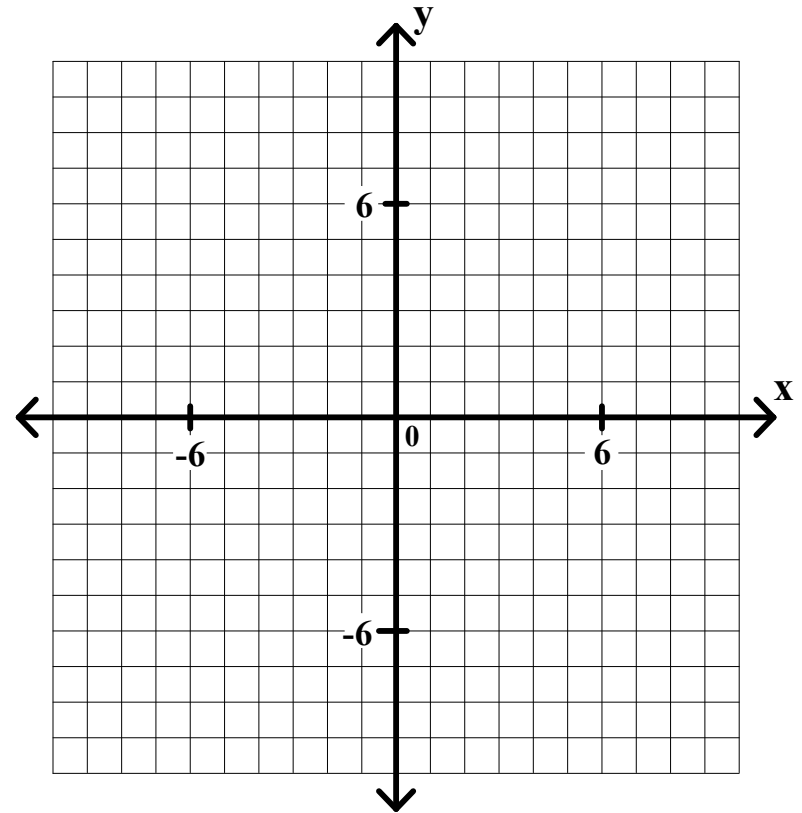
Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

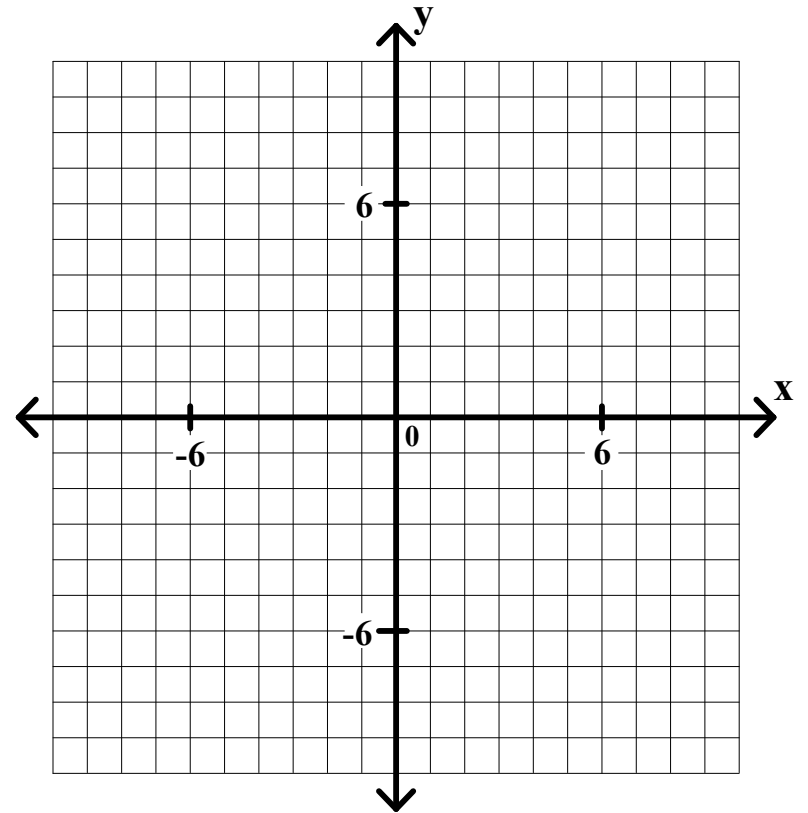
Graph each of the following systems of linear inequalities.
Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

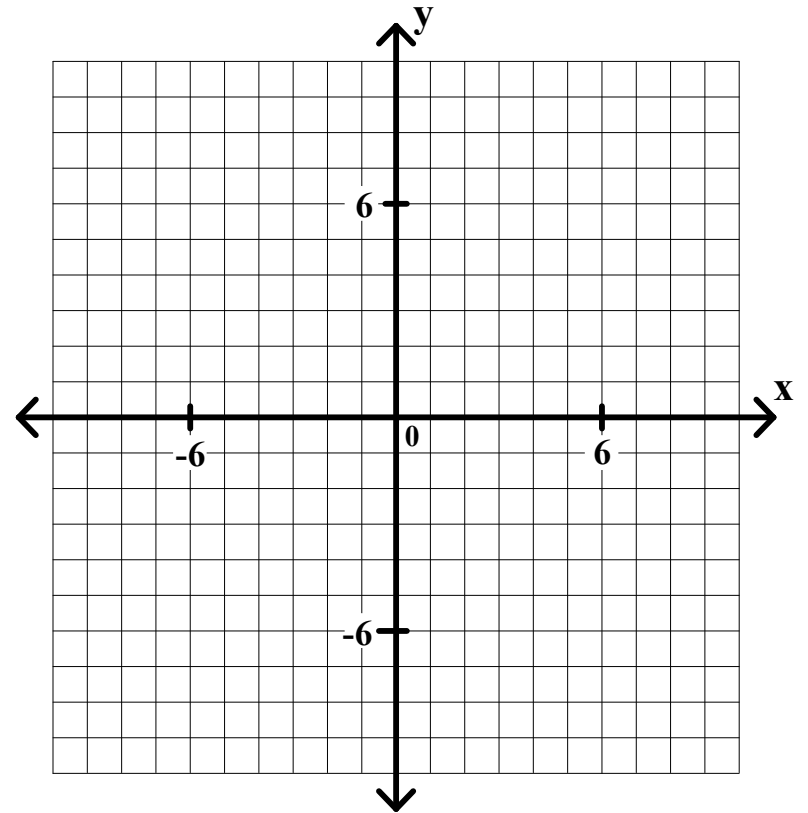
Graph each of the following systems of linear inequalities.
Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

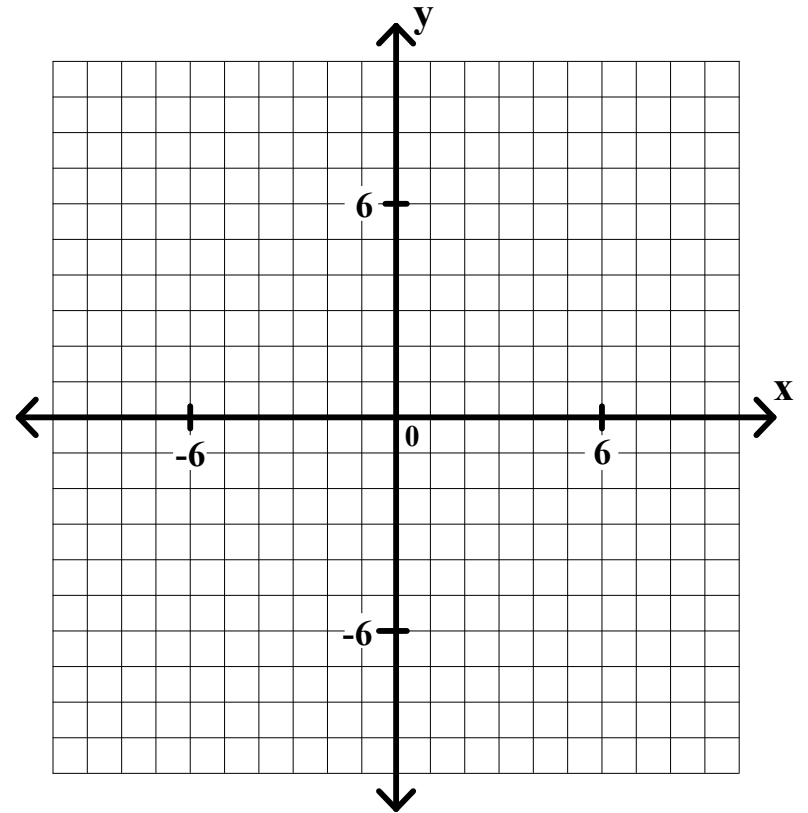
Graph each of the following systems of linear inequalities.
Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

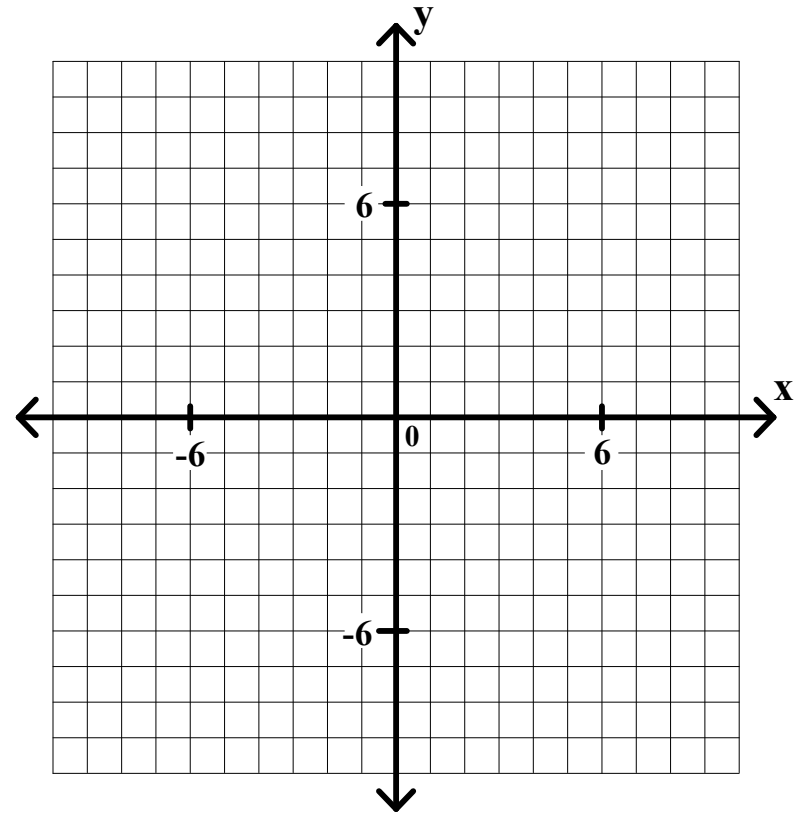
Graph each of the following systems of linear inequalities.
Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x -$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

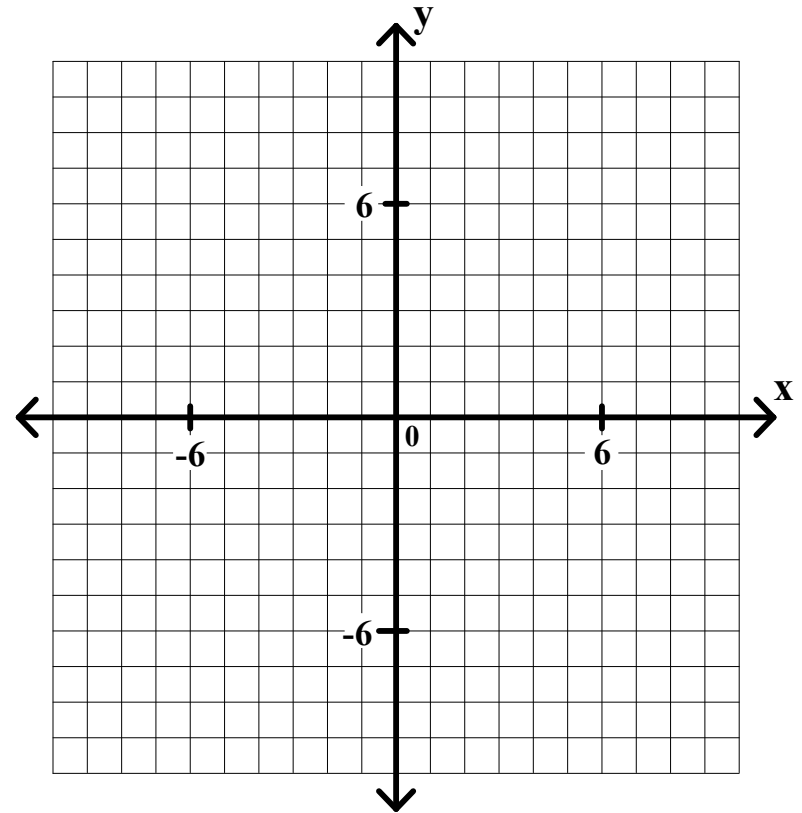
Graph each of the following systems of linear inequalities.
Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

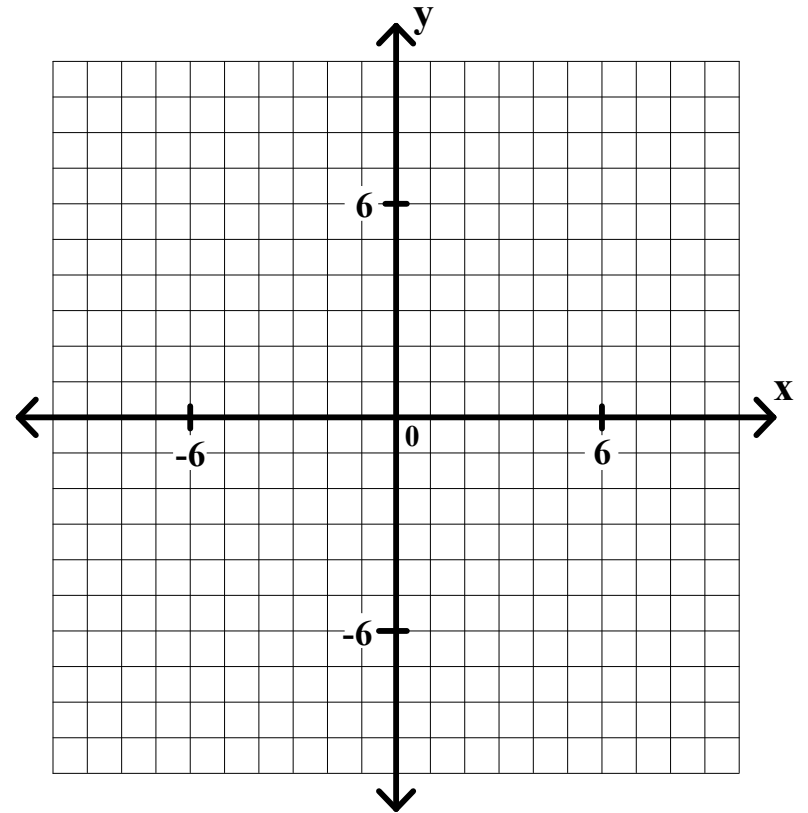
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

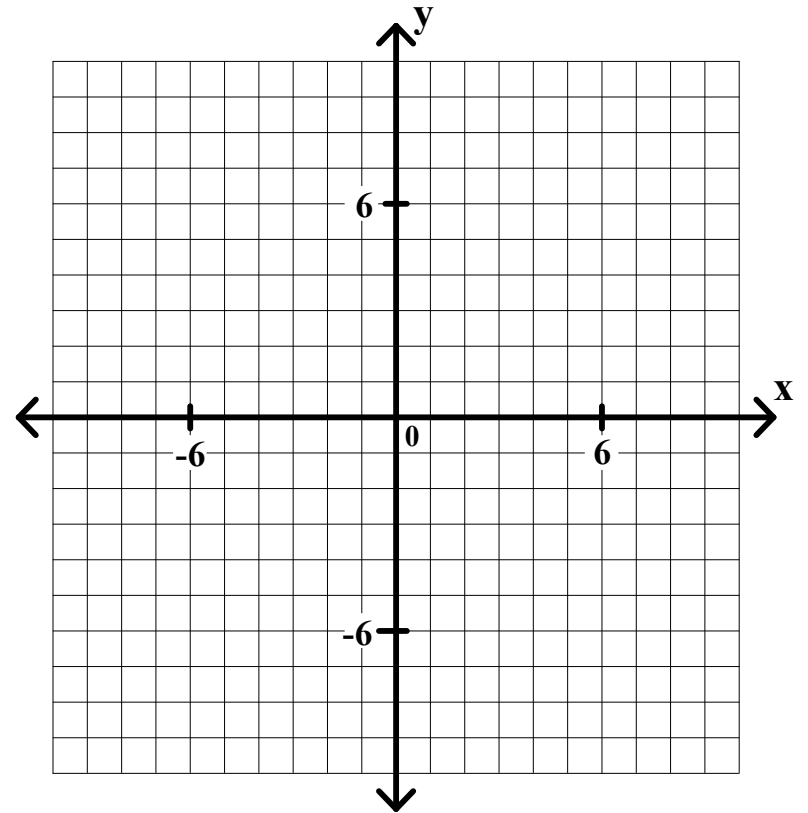
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

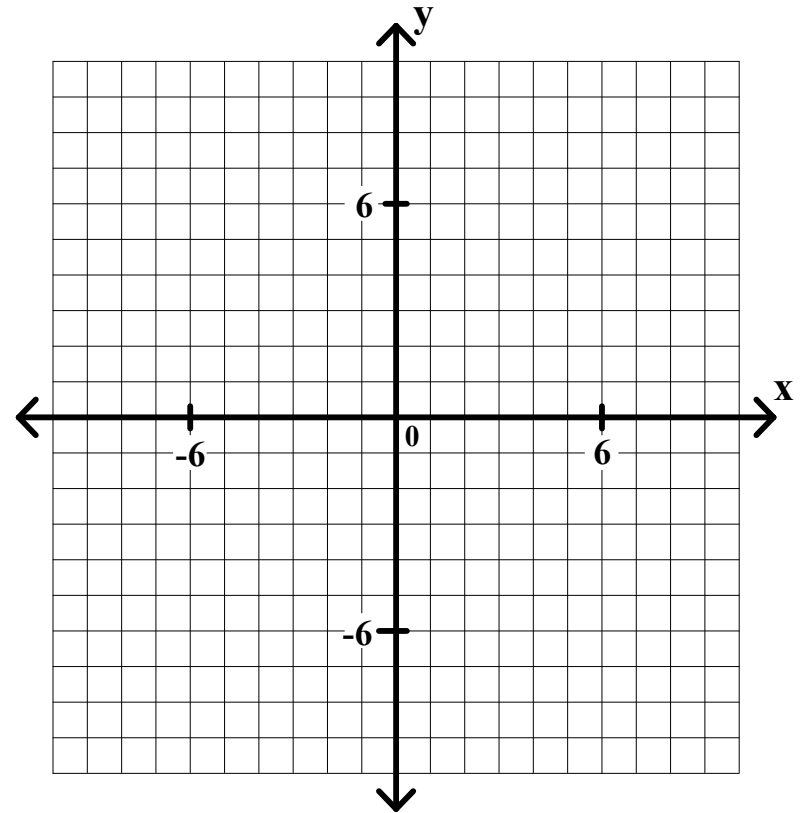
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

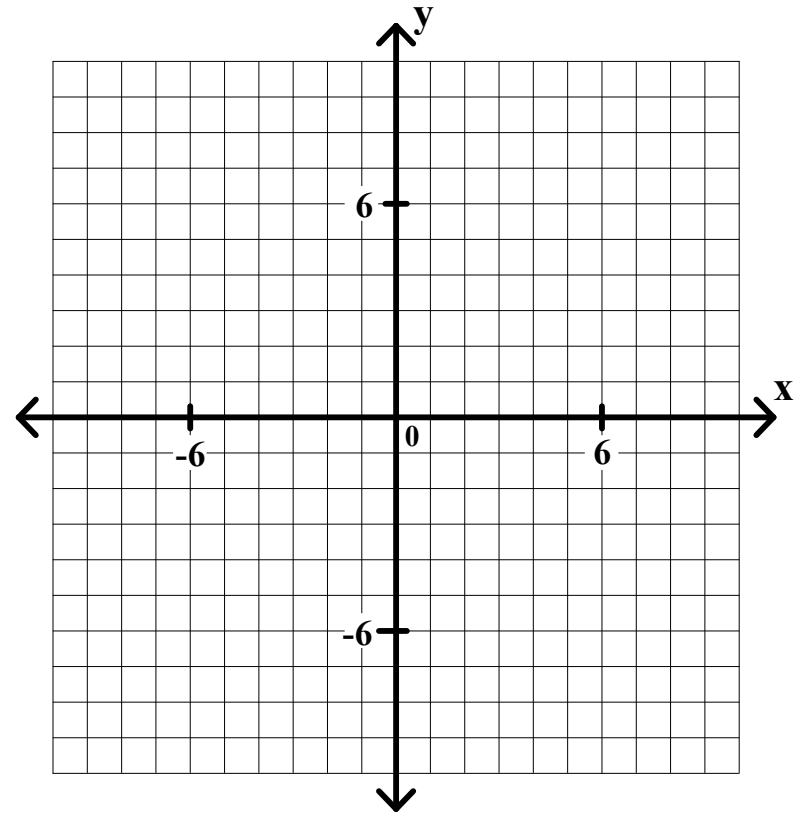
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

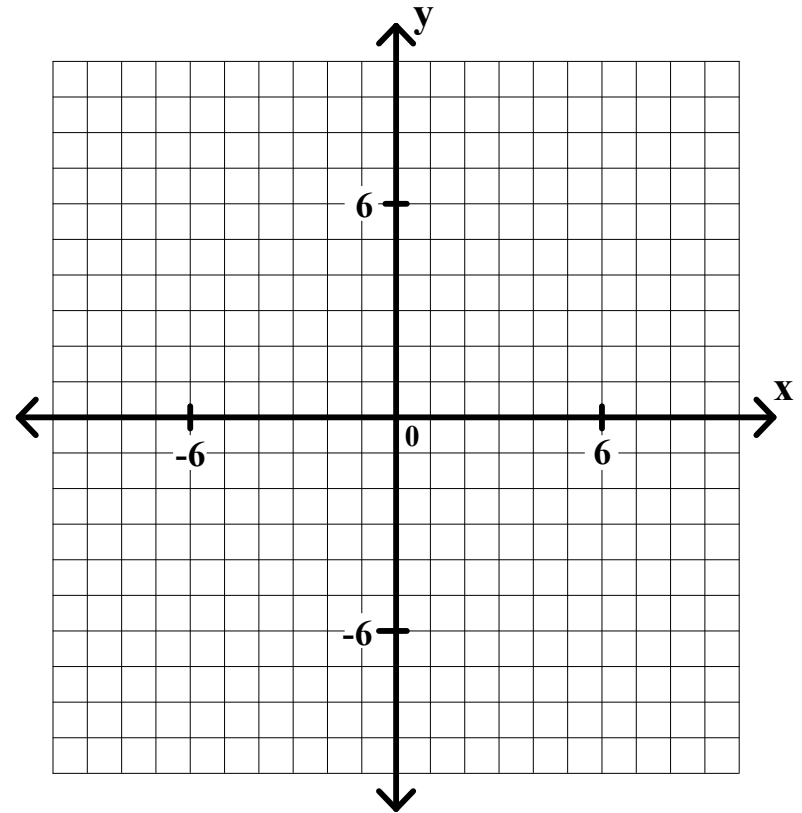
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

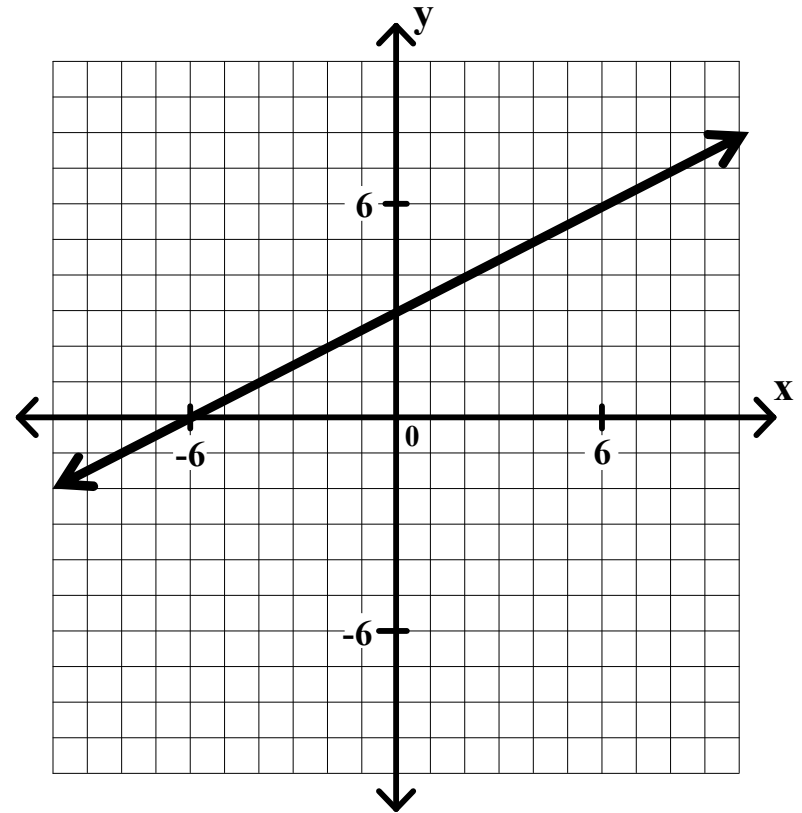
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

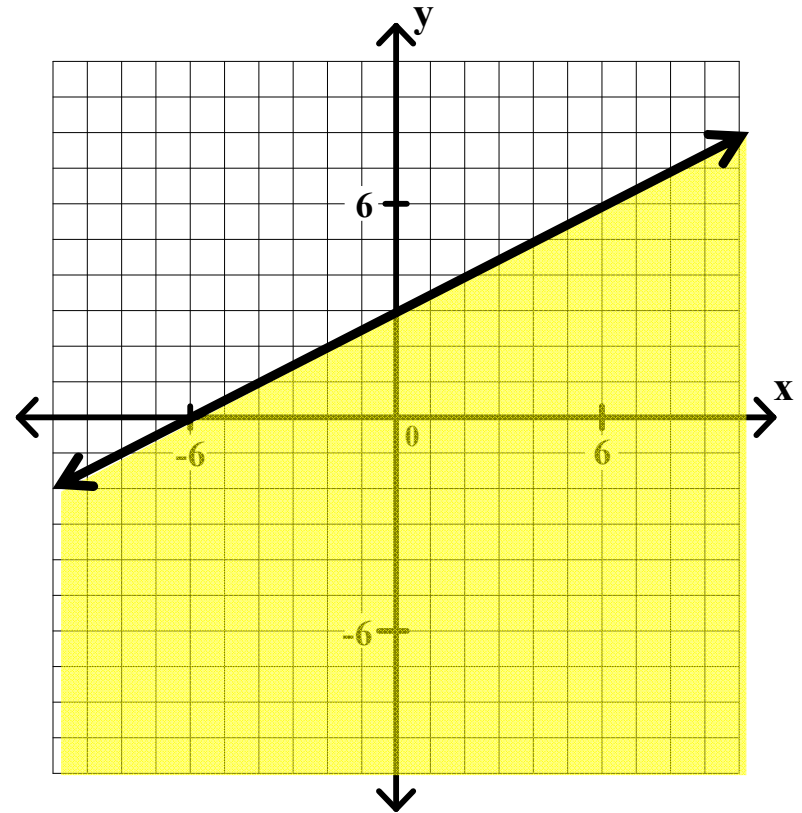
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

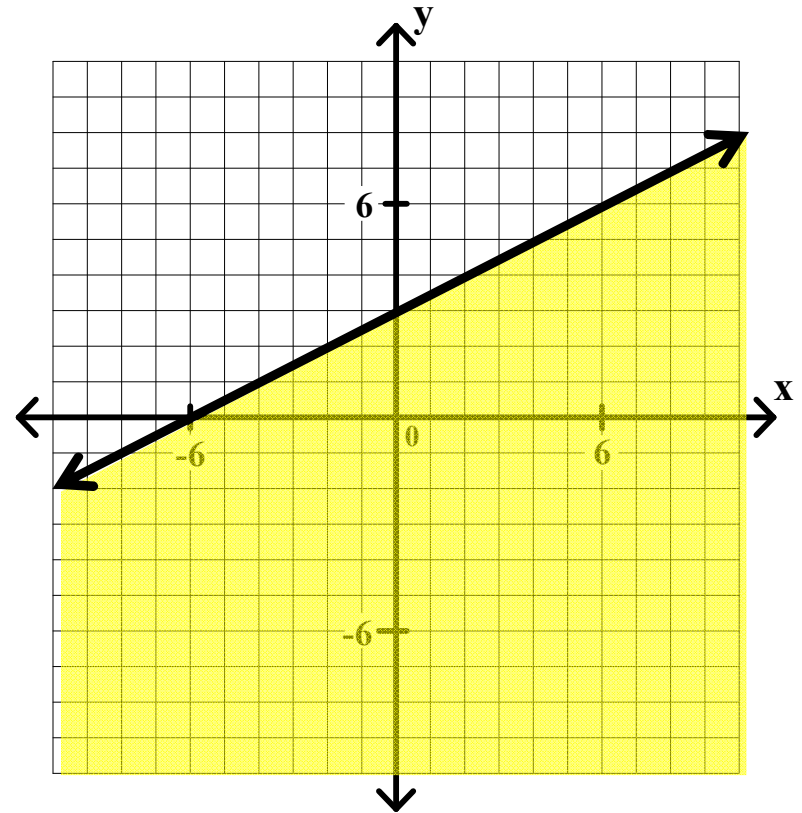
1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

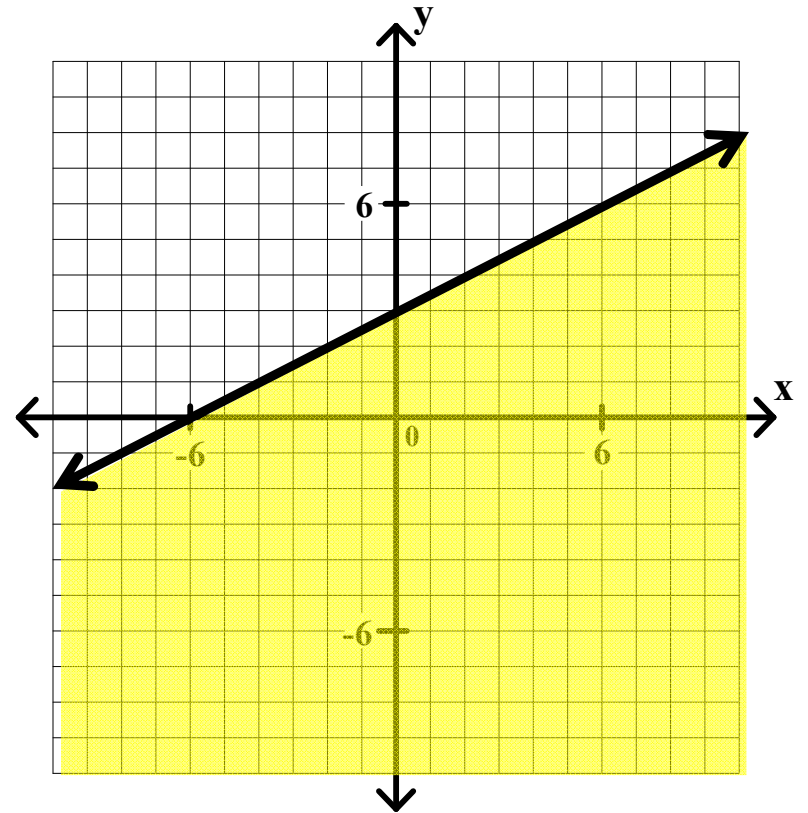
$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

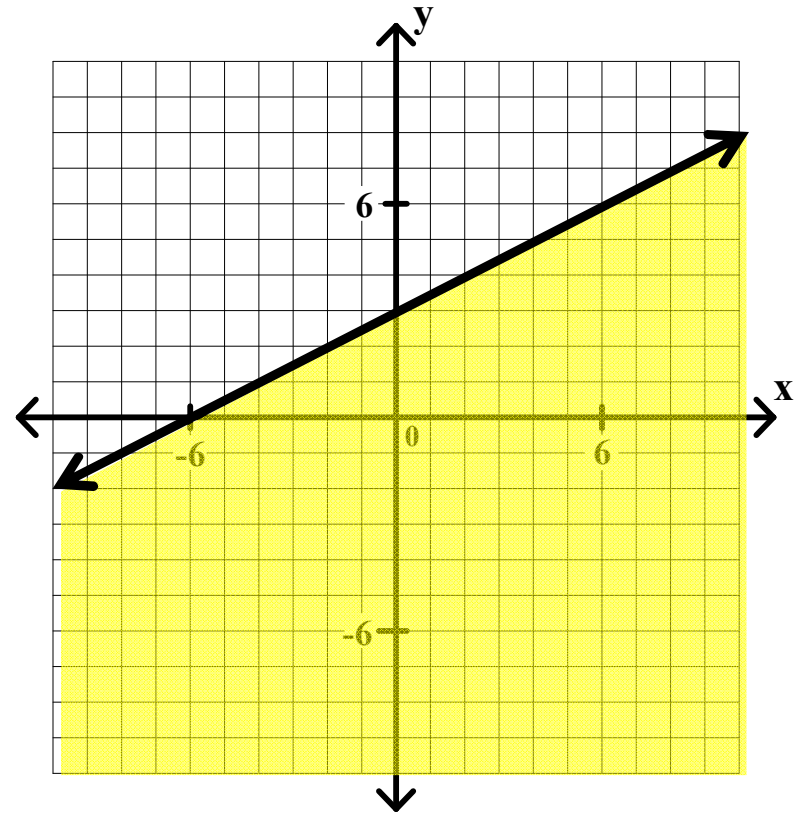
$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

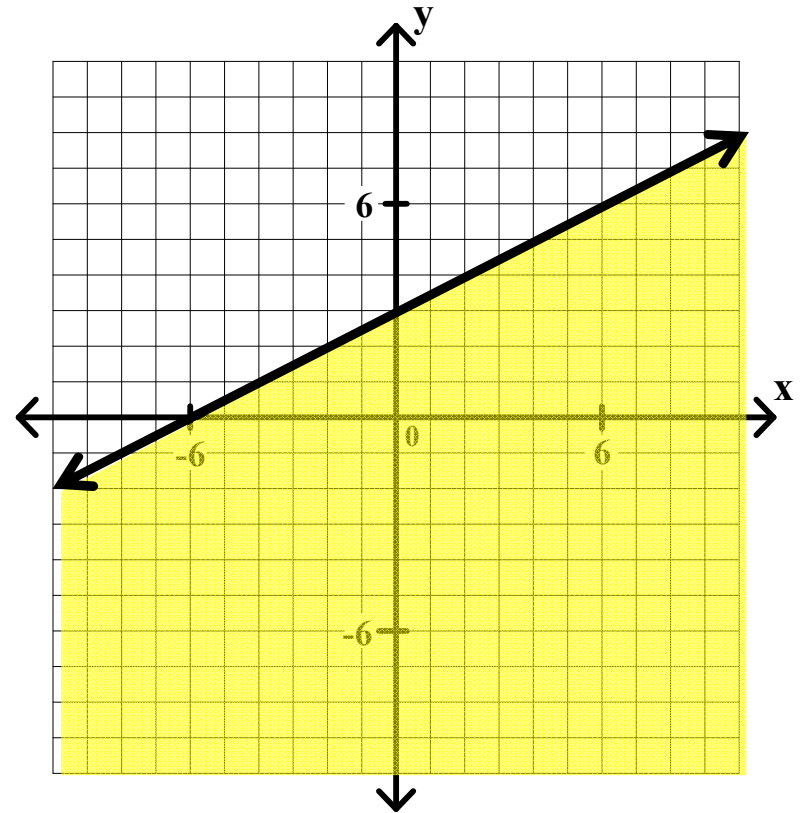
$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

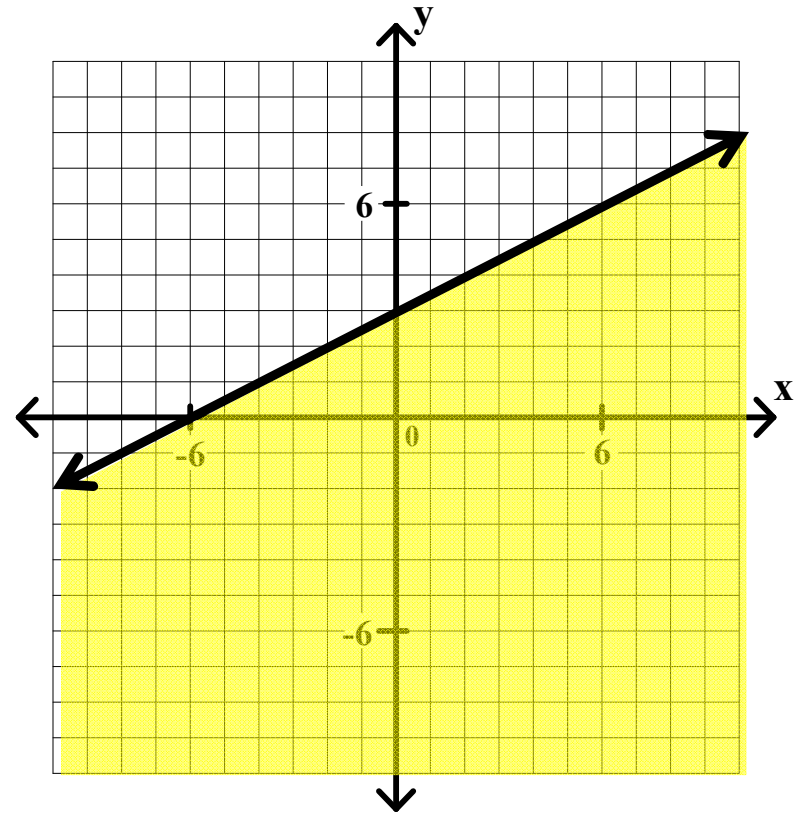
$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

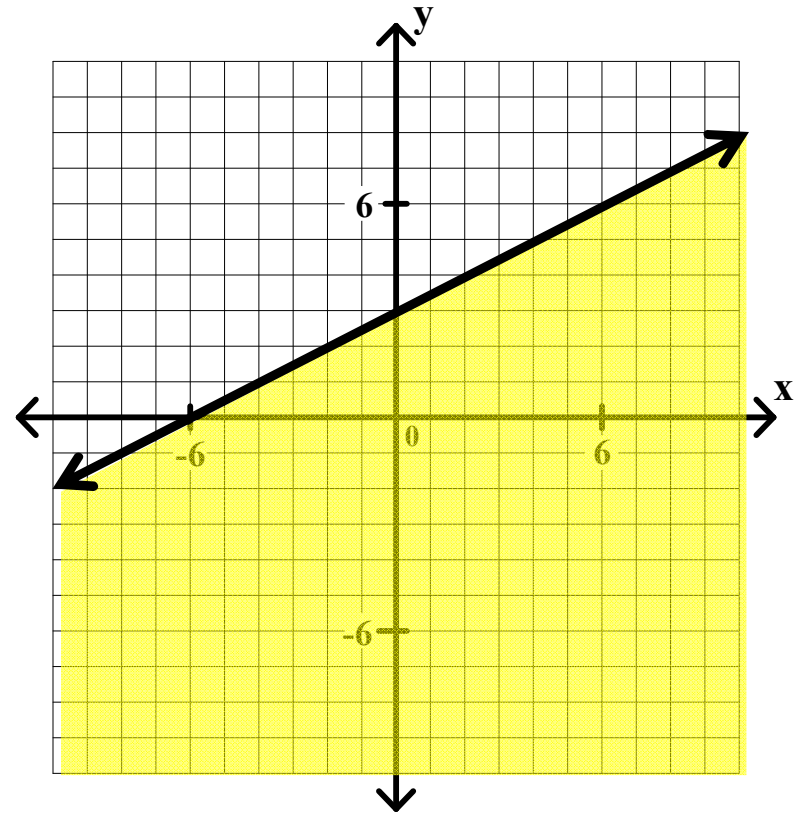
$$x - y \leq 1$$

$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

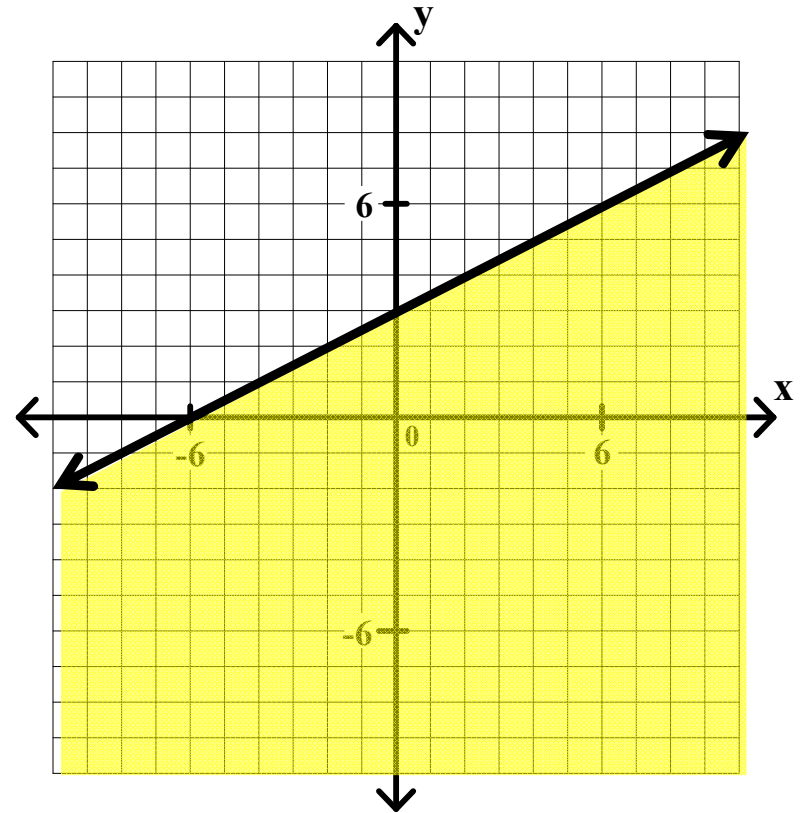
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

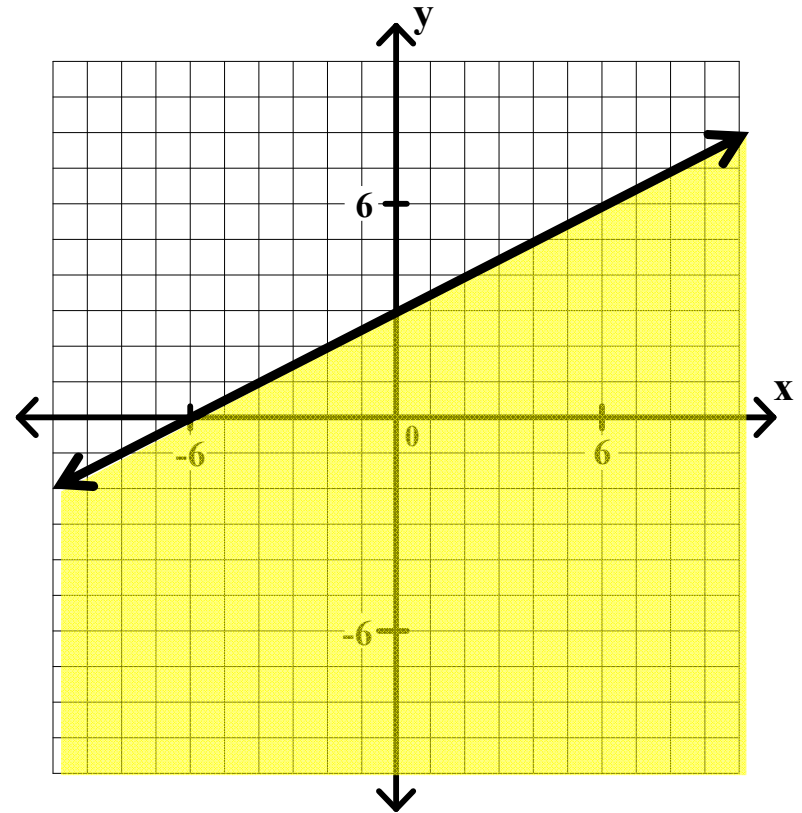
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

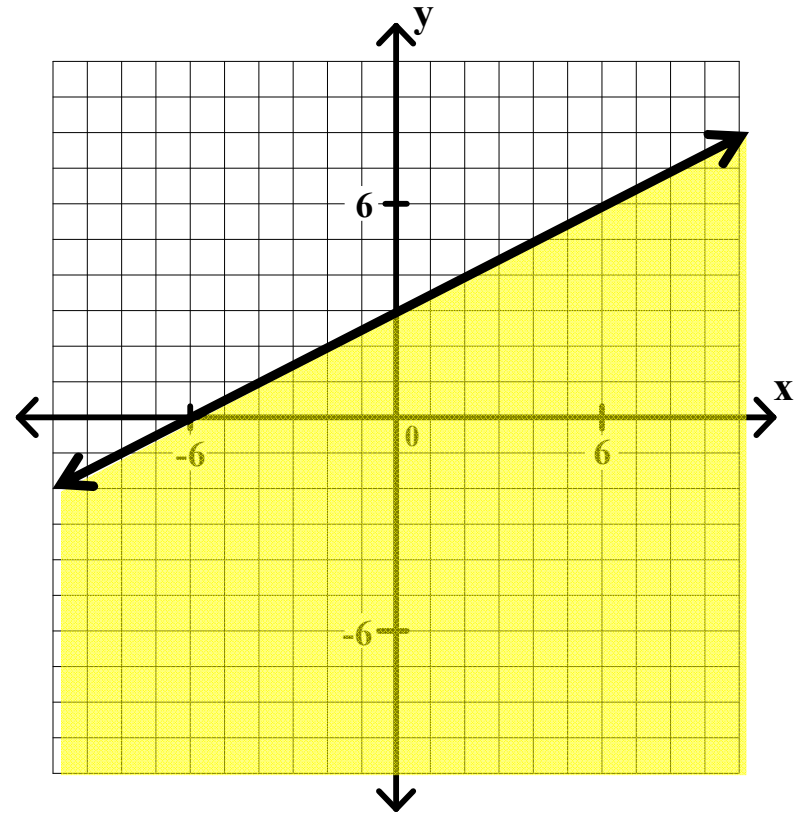
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

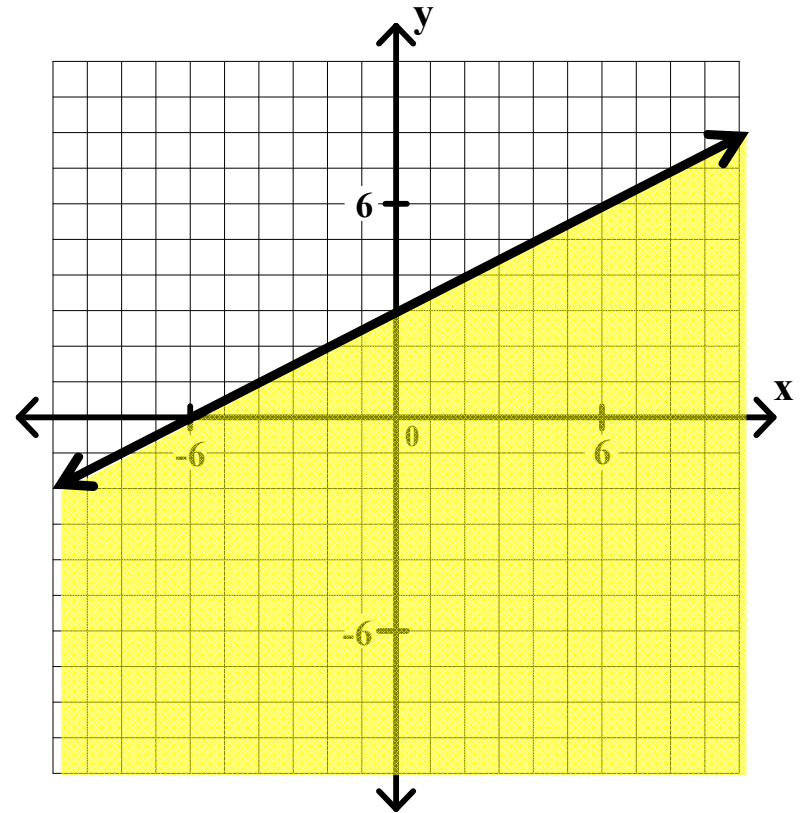
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x -$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

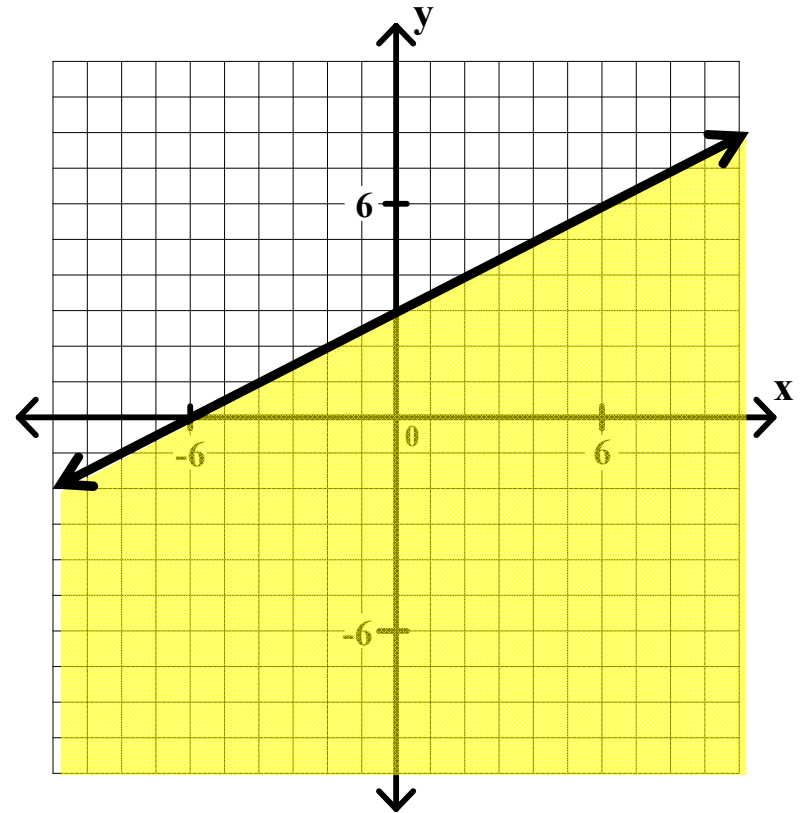
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

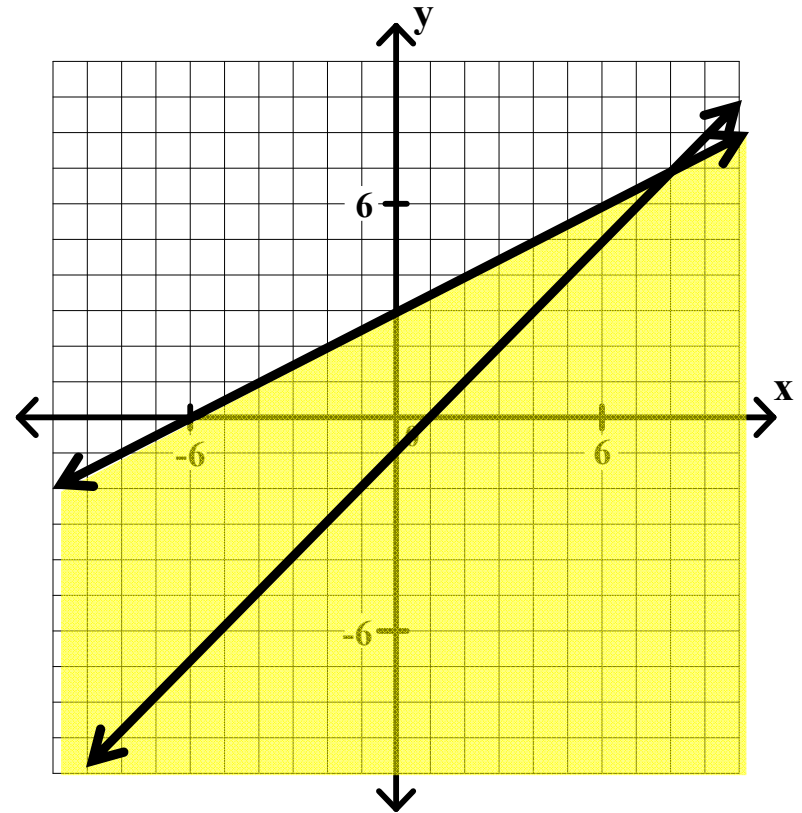
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

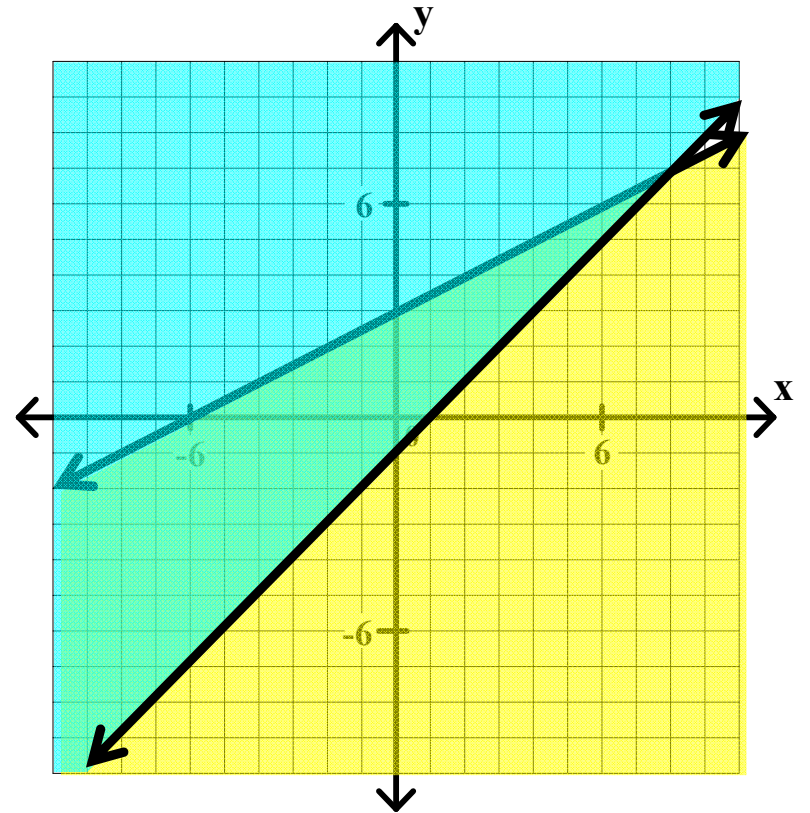
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

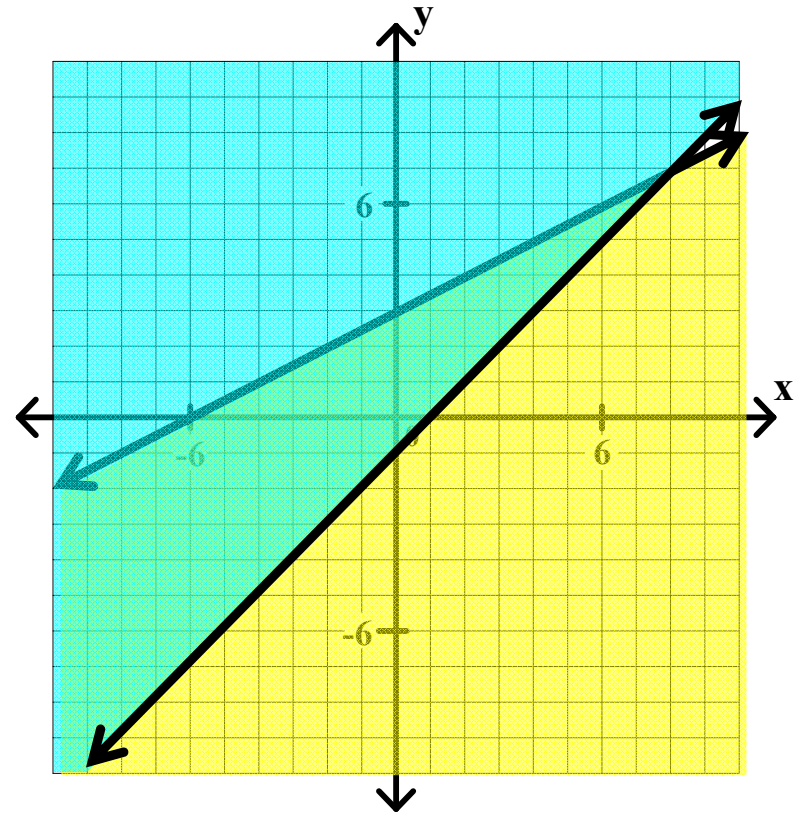
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

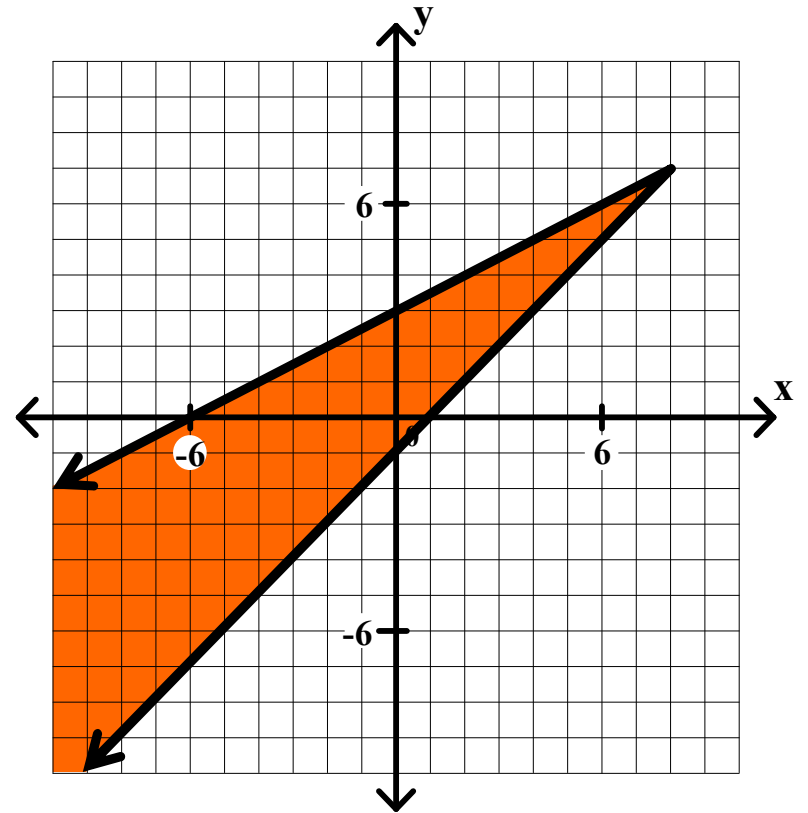
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

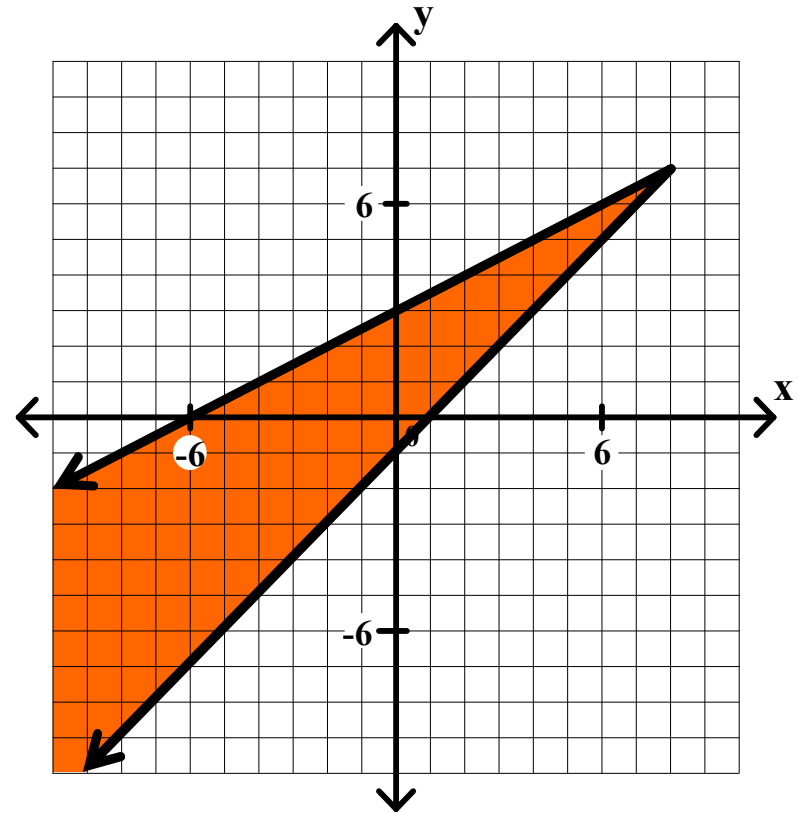
$$x + 8 \geq 0$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

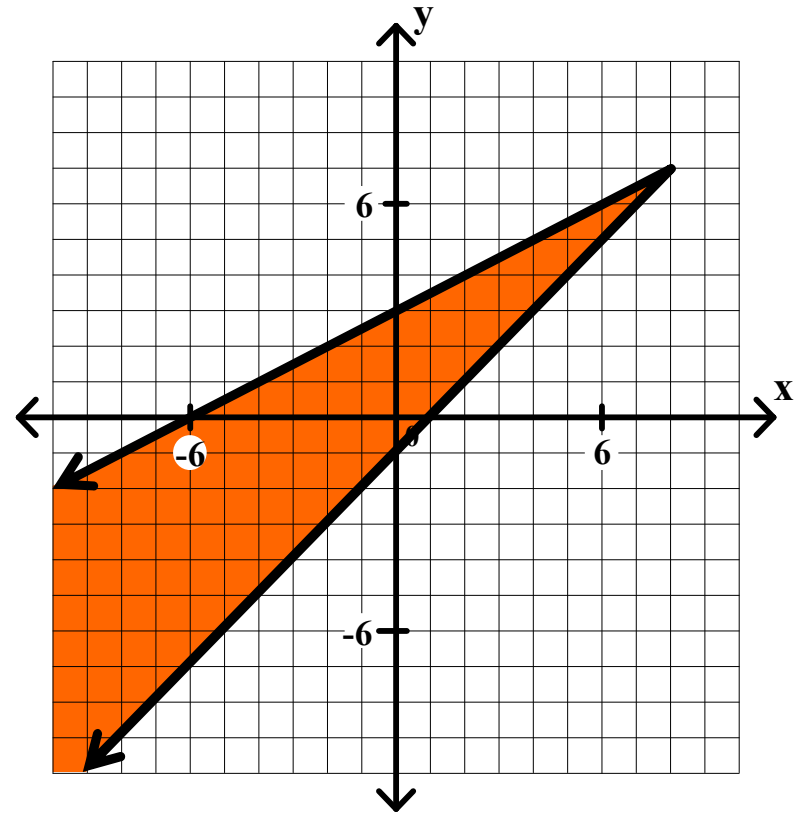
x

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

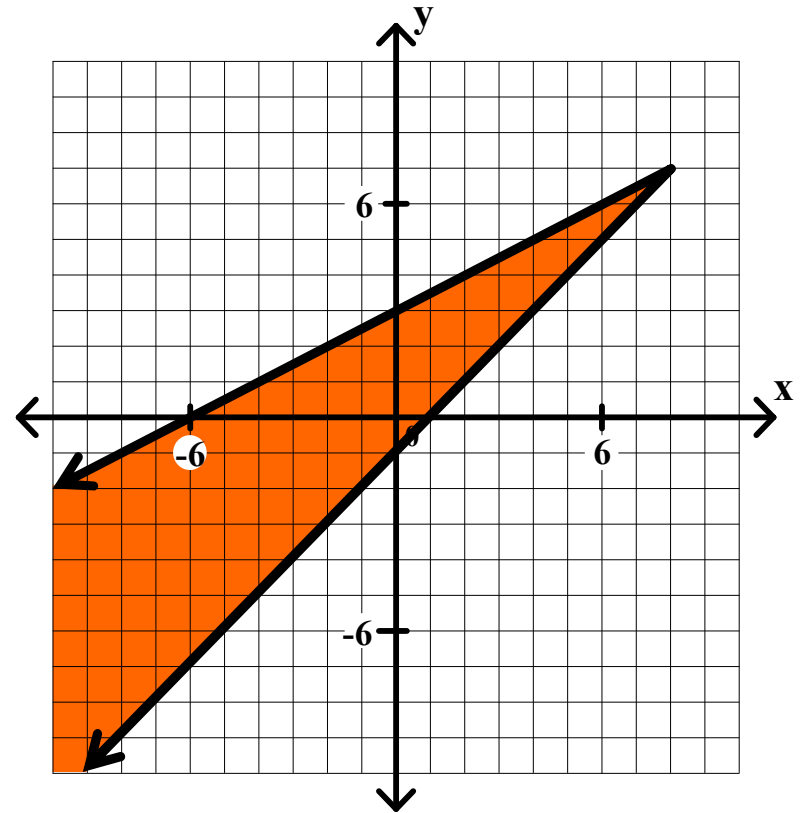
$$x \geq$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

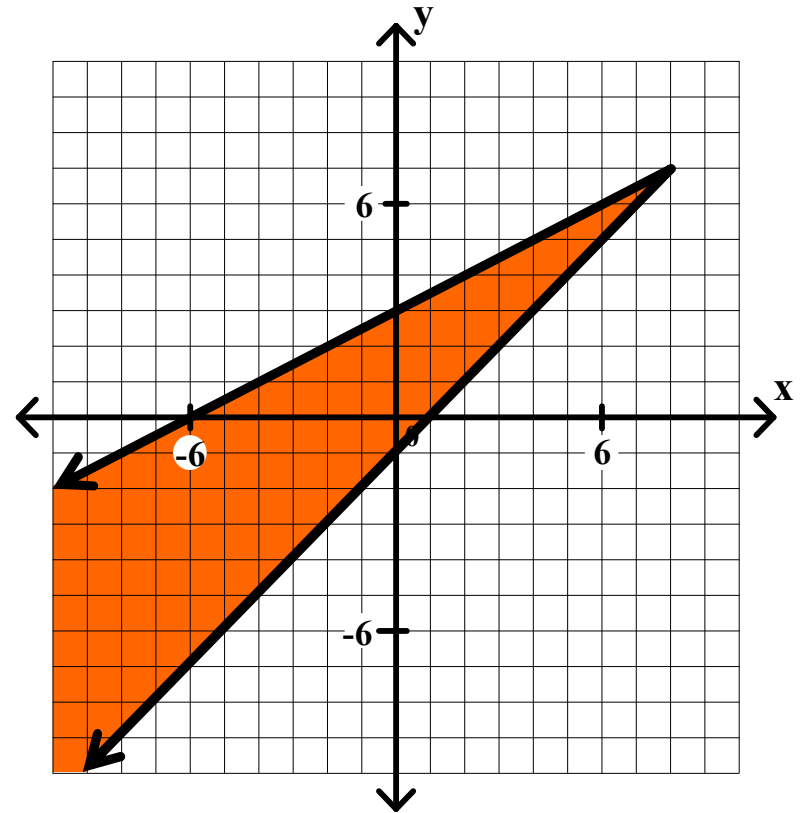
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

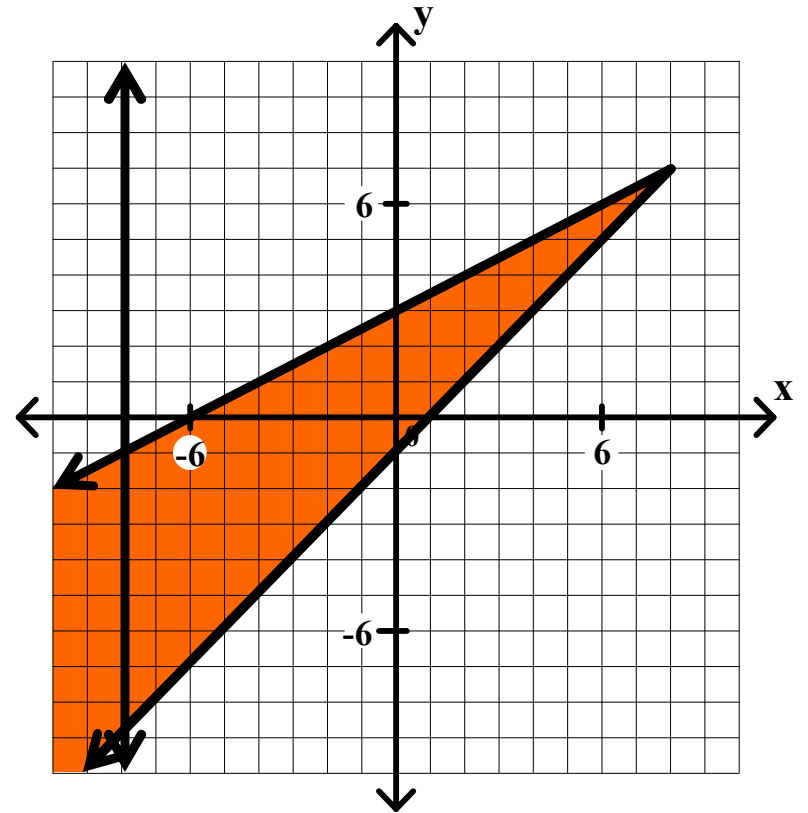
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

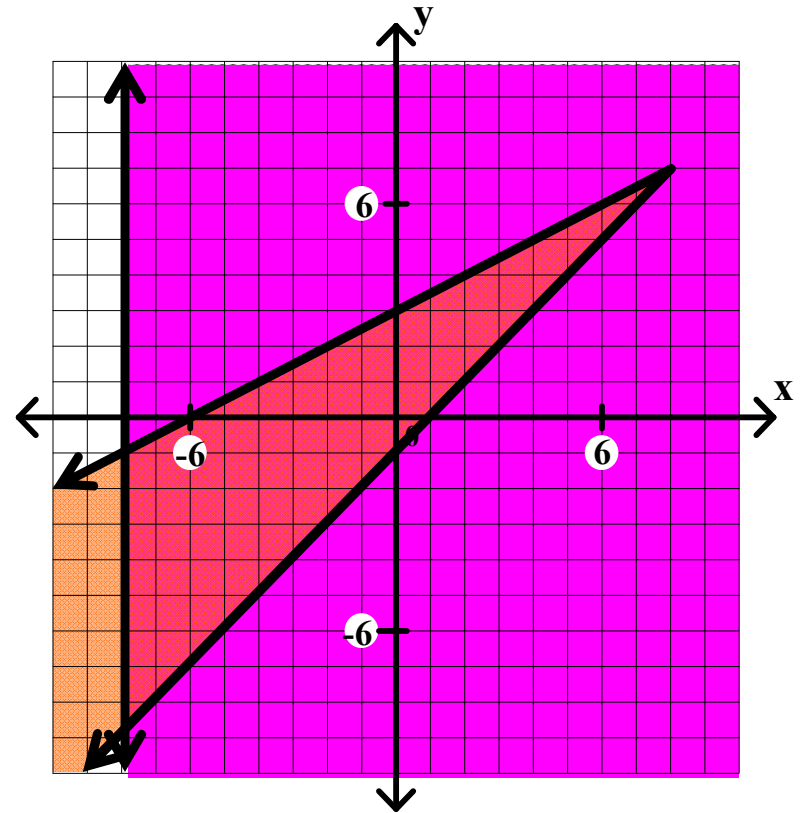
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

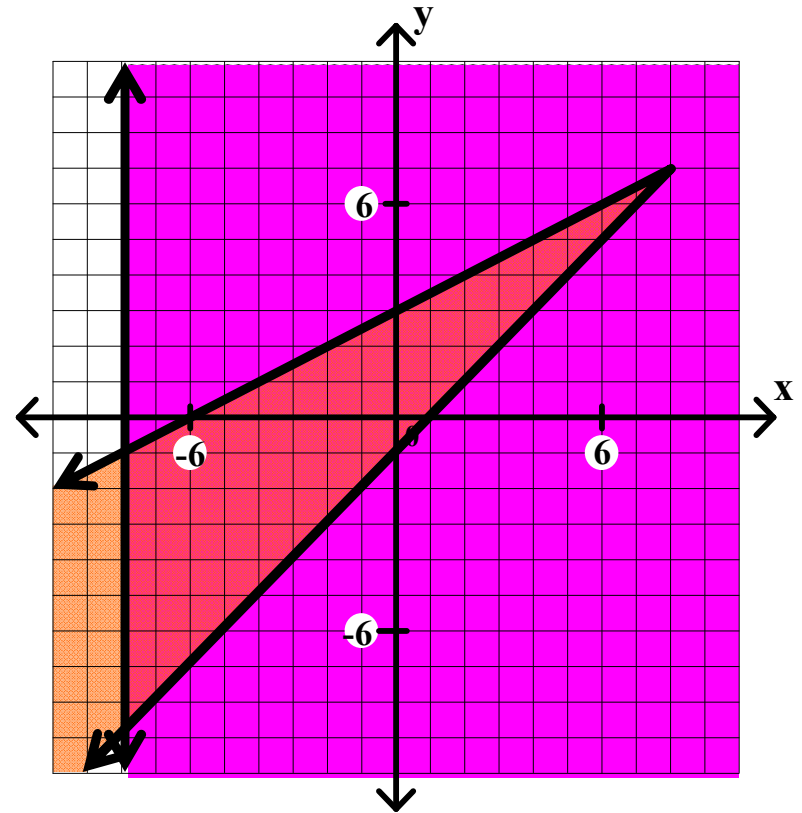
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

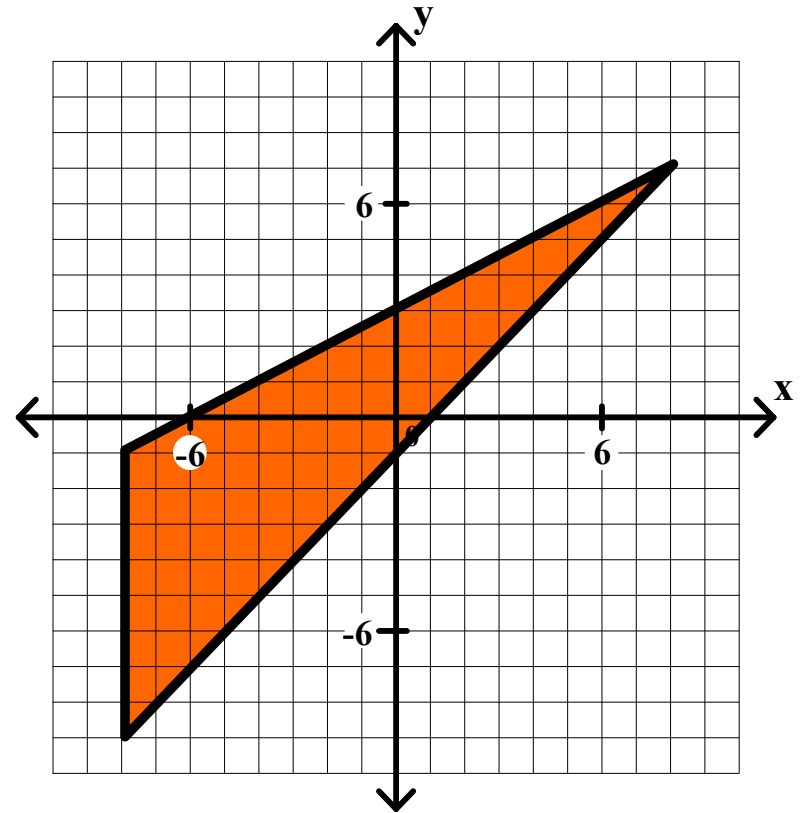
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

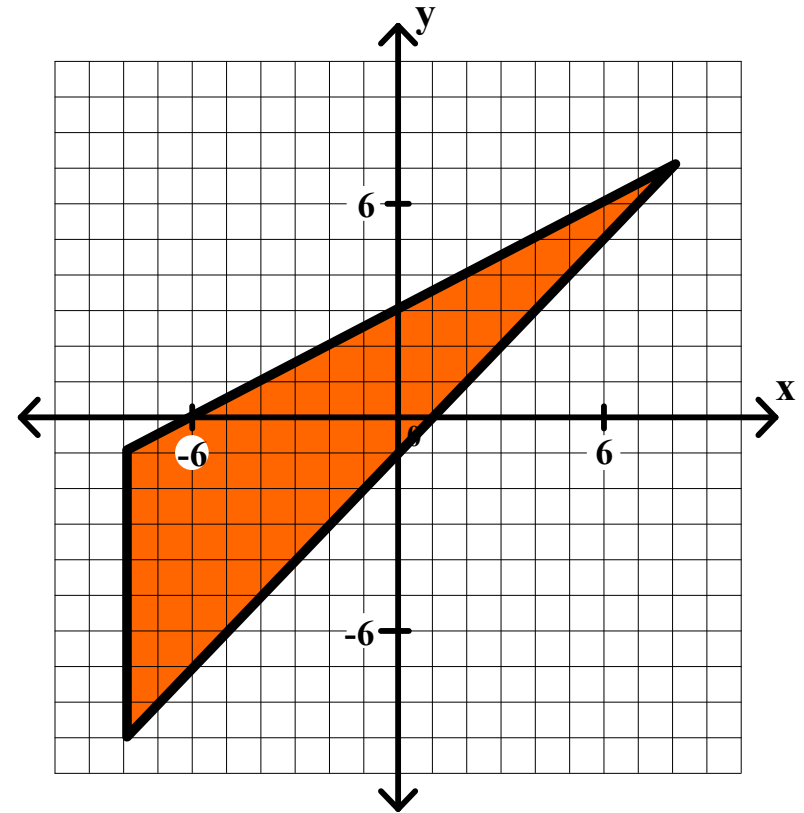
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

1. $x - 2y \geq -6$

$$x - y \leq 1$$

$$x + 8 \geq 0$$

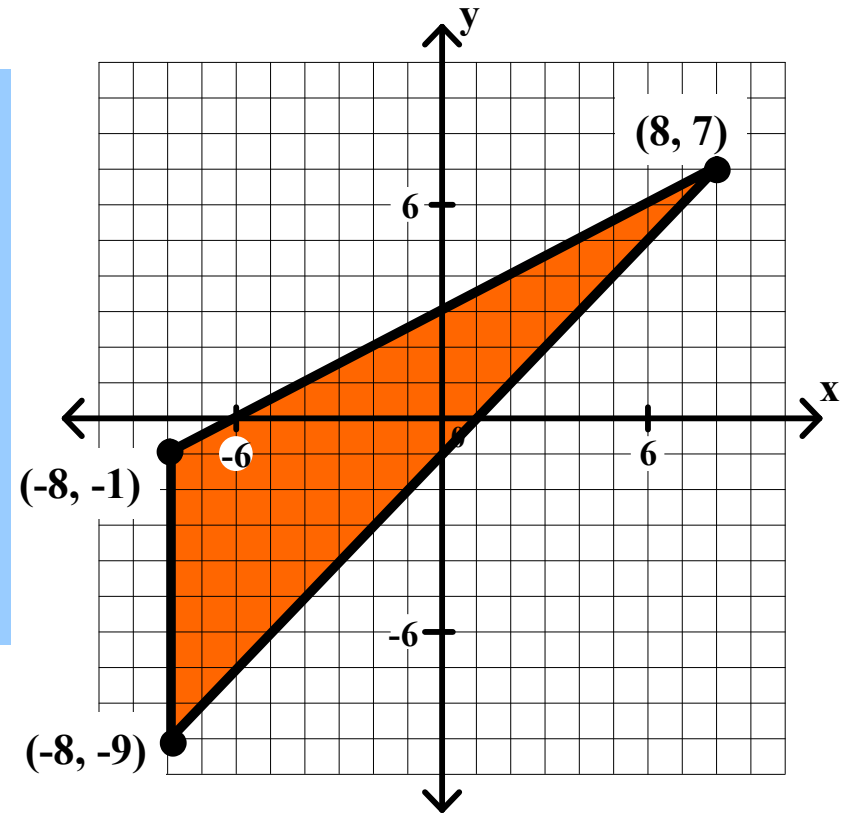
$$x \geq -8$$

$$-2y \geq -x - 6$$

$$y \leq (1/2)x + 3$$

$$-y \leq -x + 1$$

$$y \geq x - 1$$



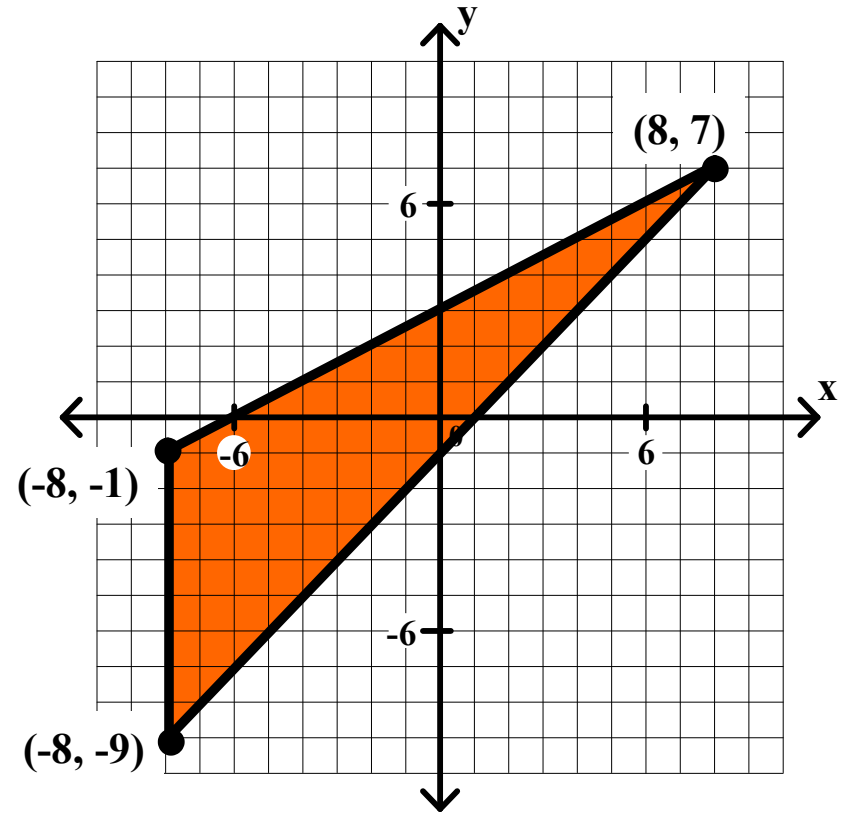
Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

1. $x - 2y \geq -6$ $-2y \geq -x - 6$
 $x - y \leq 1$ $y \leq (1/2)x + 3$
 $x + 8 \geq 0$
 $x \geq -8$ $-y \leq -x + 1$
 $y \geq x - 1$



Graph the intersection of the solution sets of all inequalities.

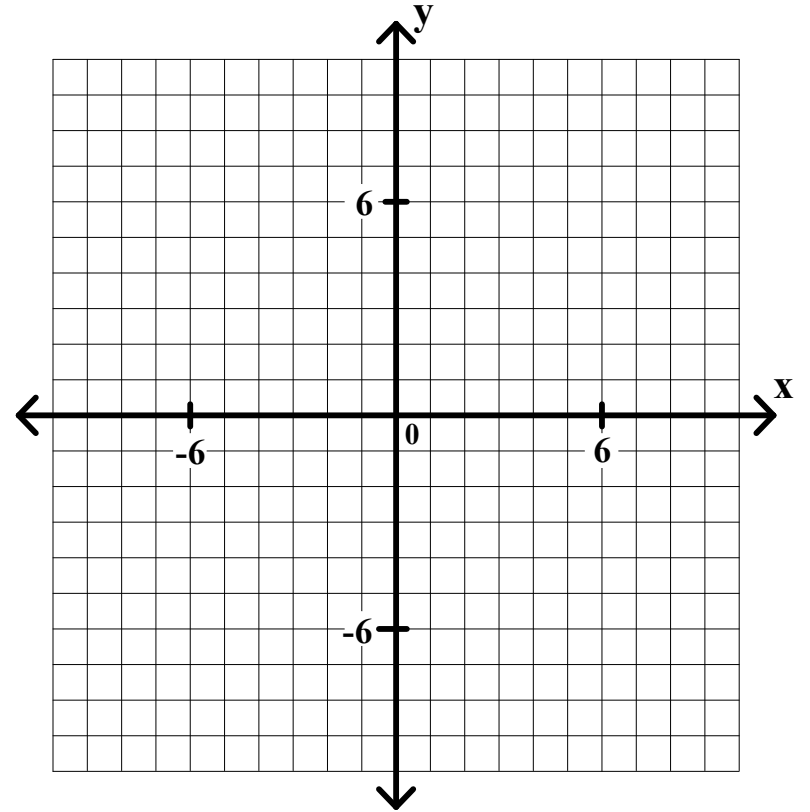
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

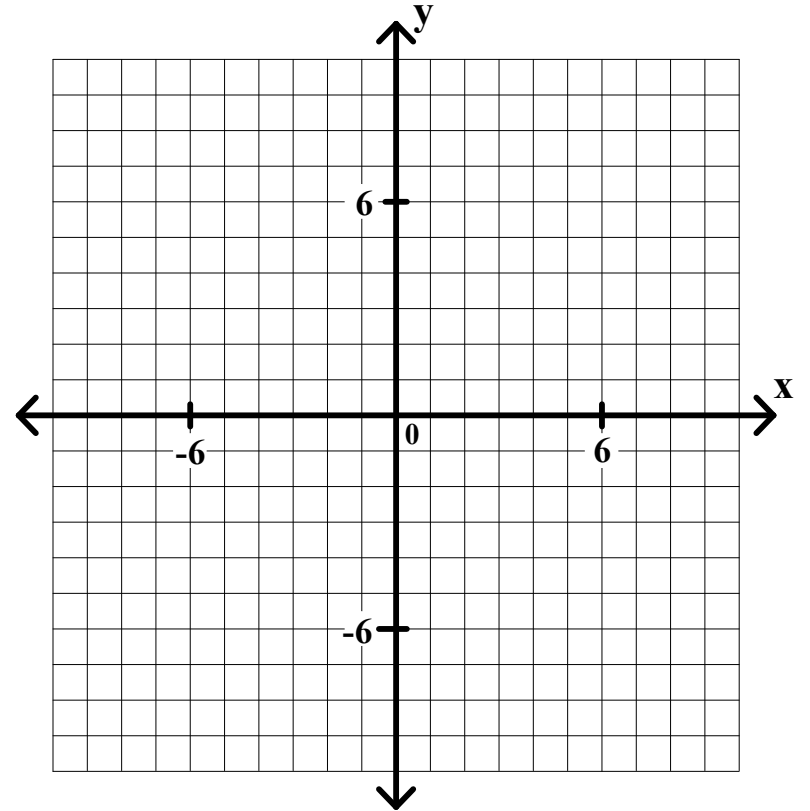


General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$



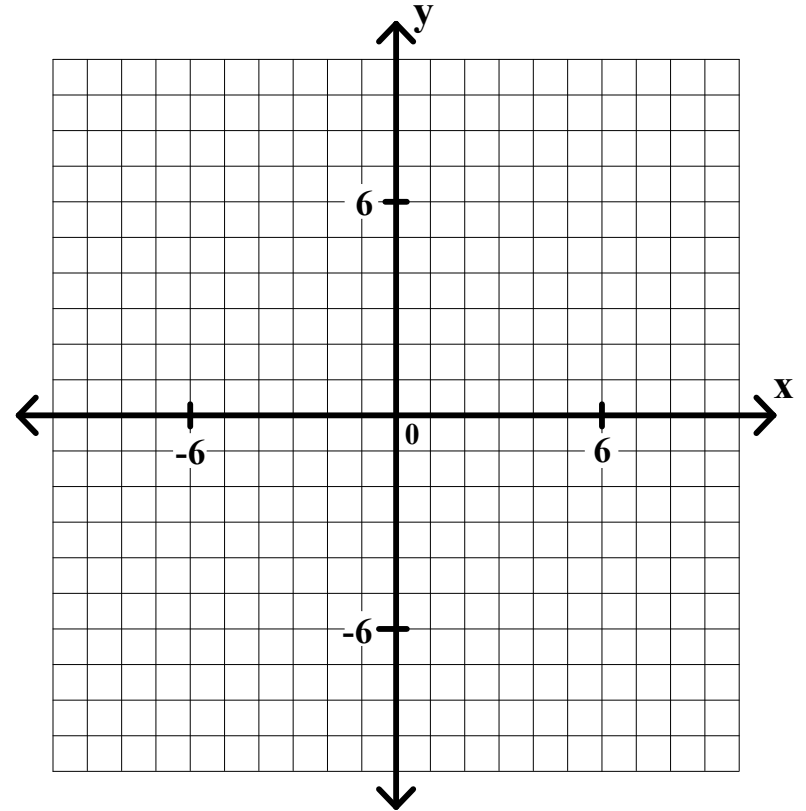
Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$



Graph the intersection of the solution sets of all inequalities.

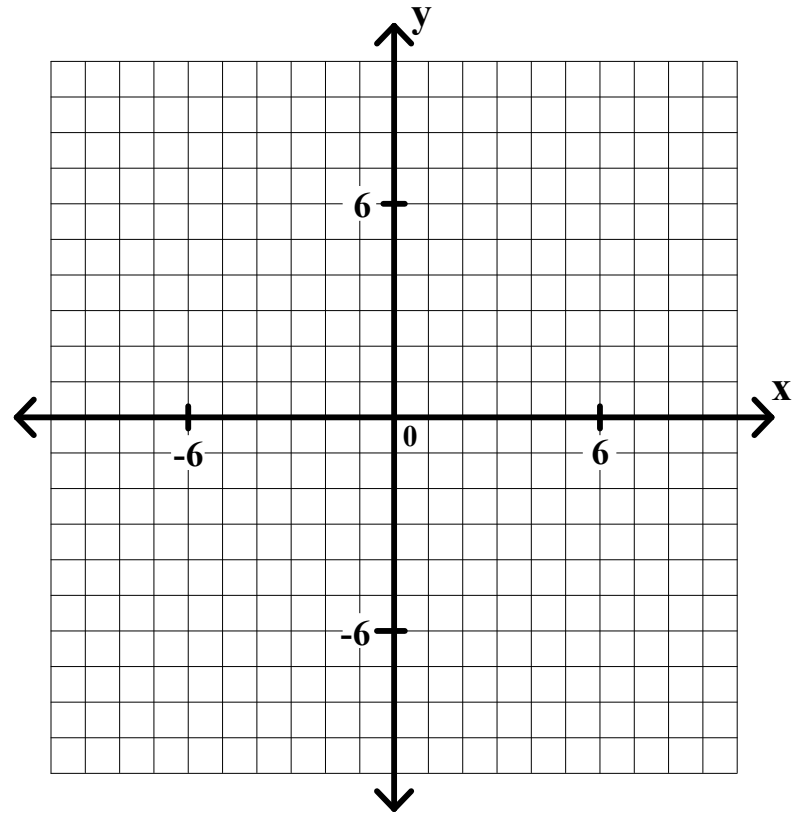
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$-y$



Graph the intersection of the solution sets of all inequalities.

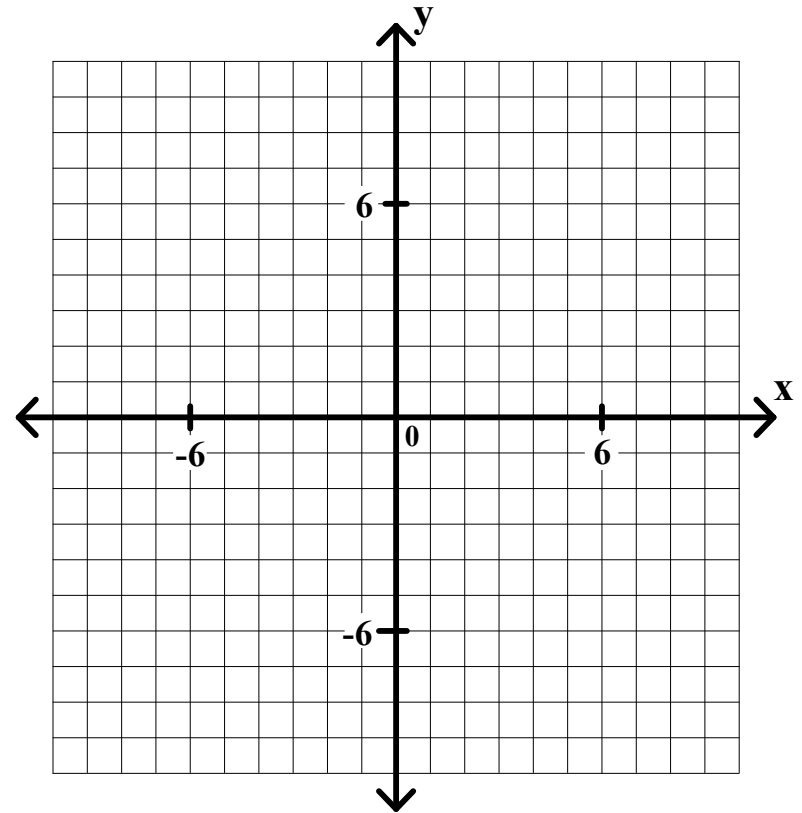
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq$$



Graph the intersection of the solution sets of all inequalities.

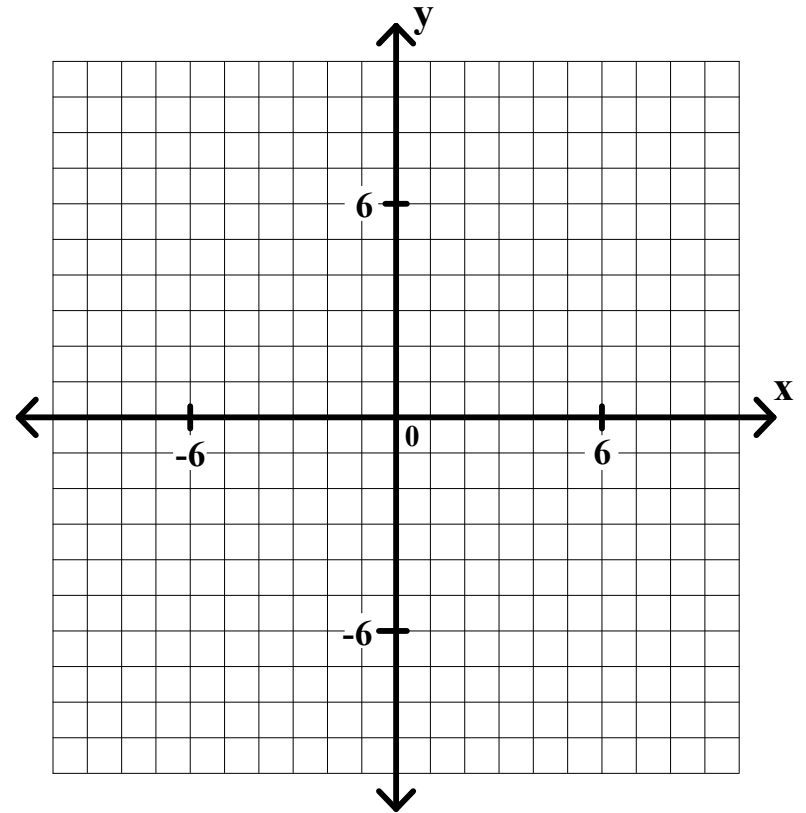
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x$$



Graph the intersection of the solution sets of all inequalities.

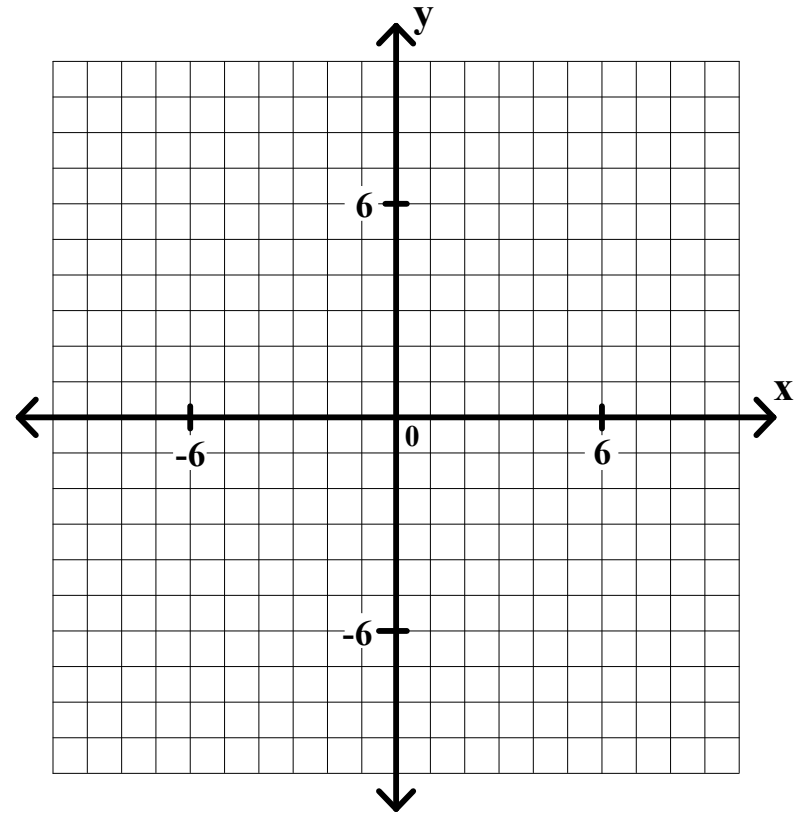
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x +$$



Graph the intersection of the solution sets of all inequalities.

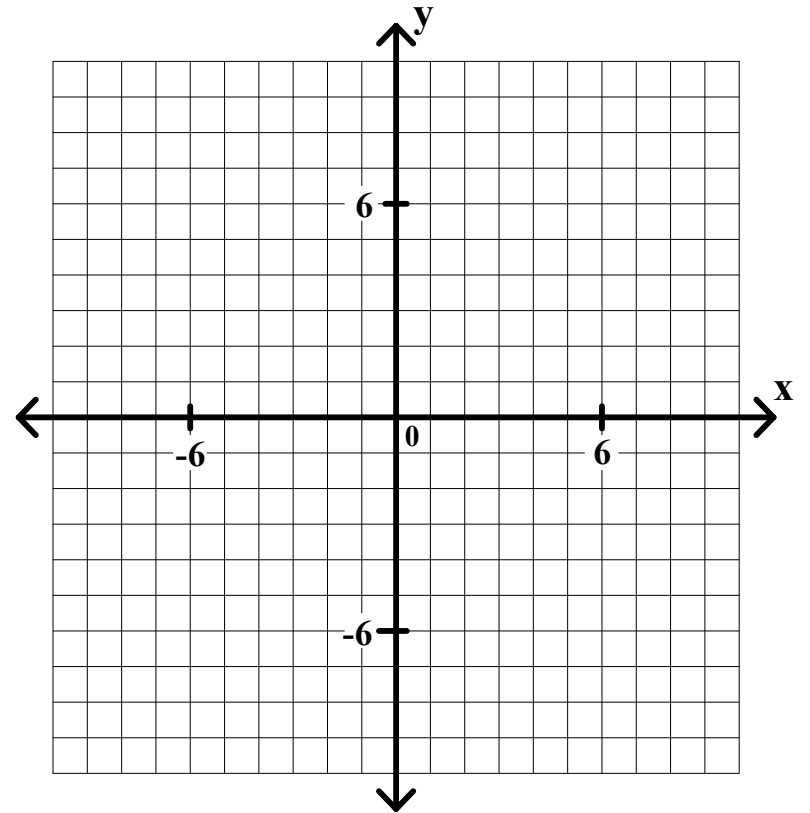
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$



Graph the intersection of the solution sets of all inequalities.

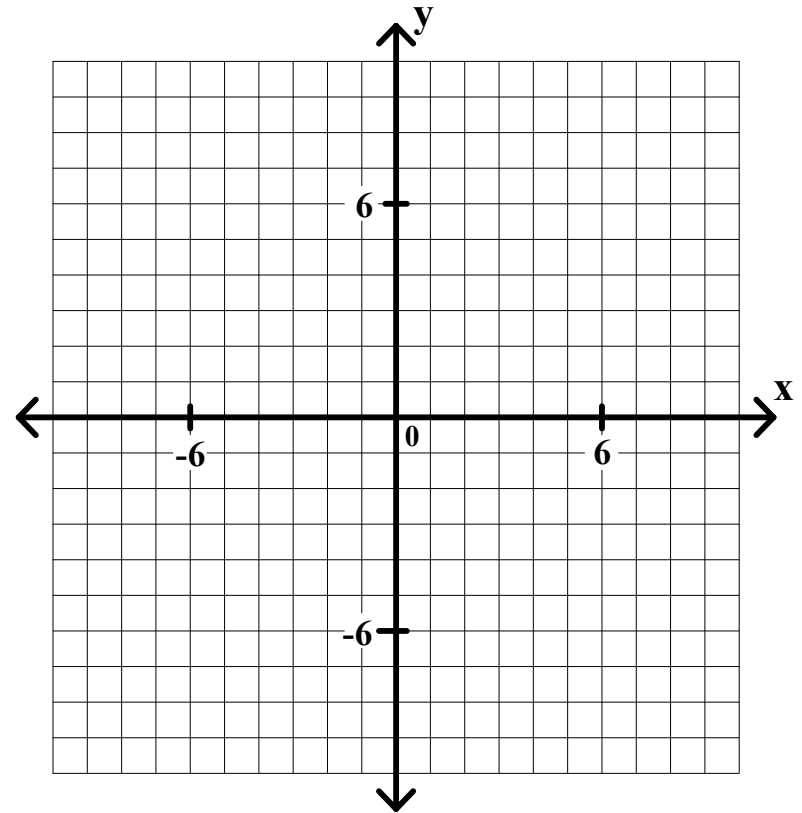
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y$$



Graph the intersection of the solution sets of all inequalities.

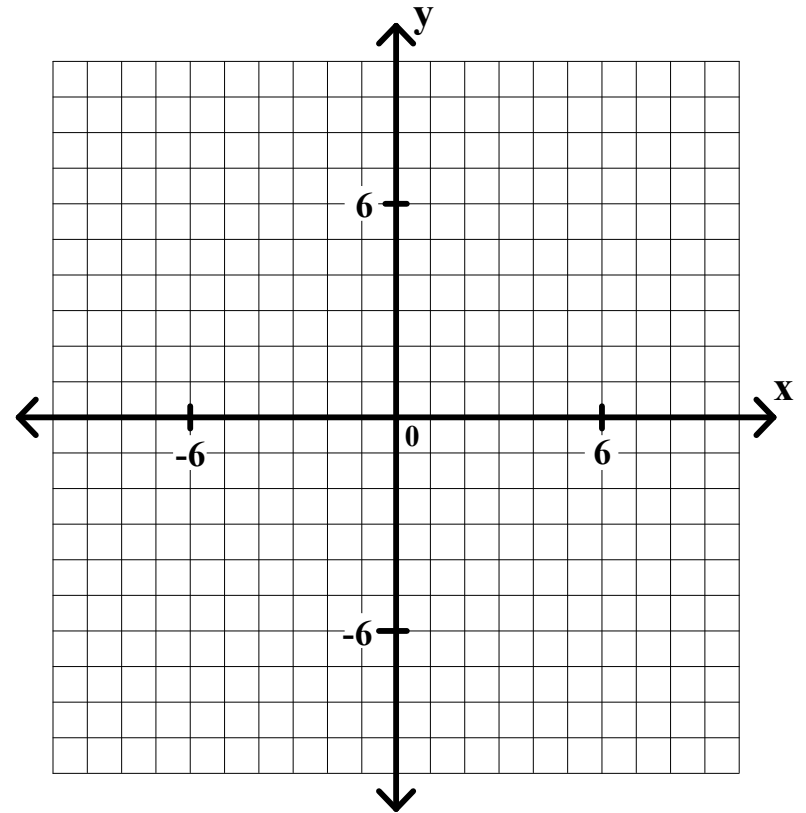
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq$$



Graph the intersection of the solution sets of all inequalities.

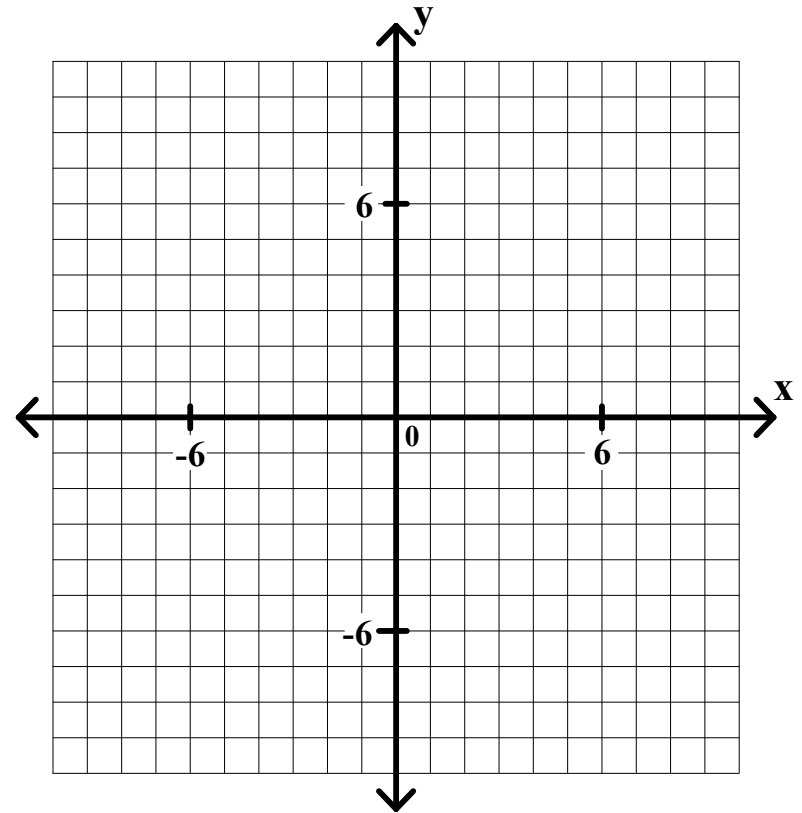
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq x$$



Graph the intersection of the solution sets of all inequalities.

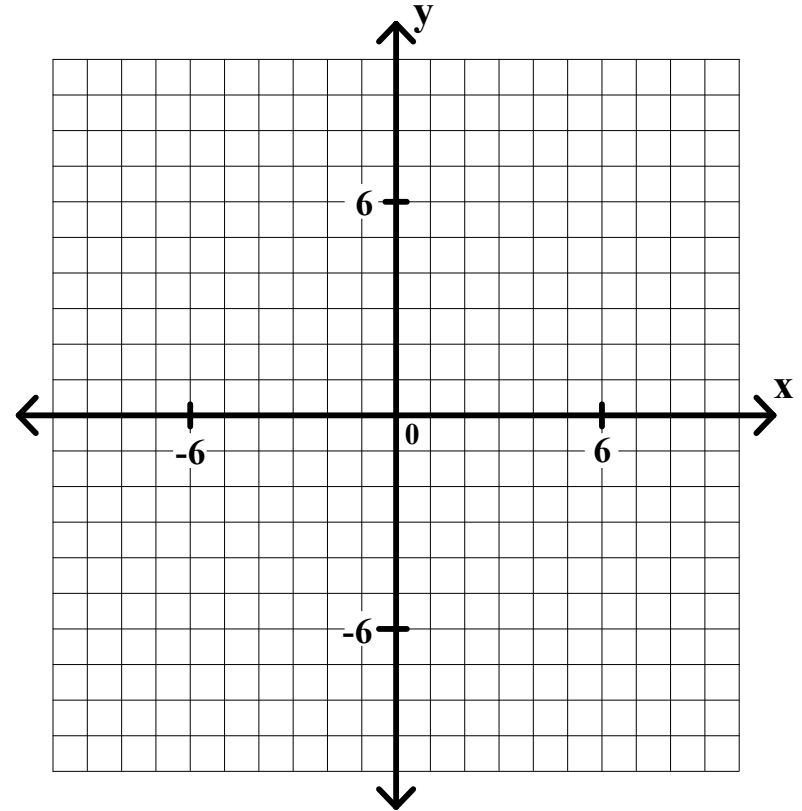
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq x -$$



Graph the intersection of the solution sets of all inequalities.

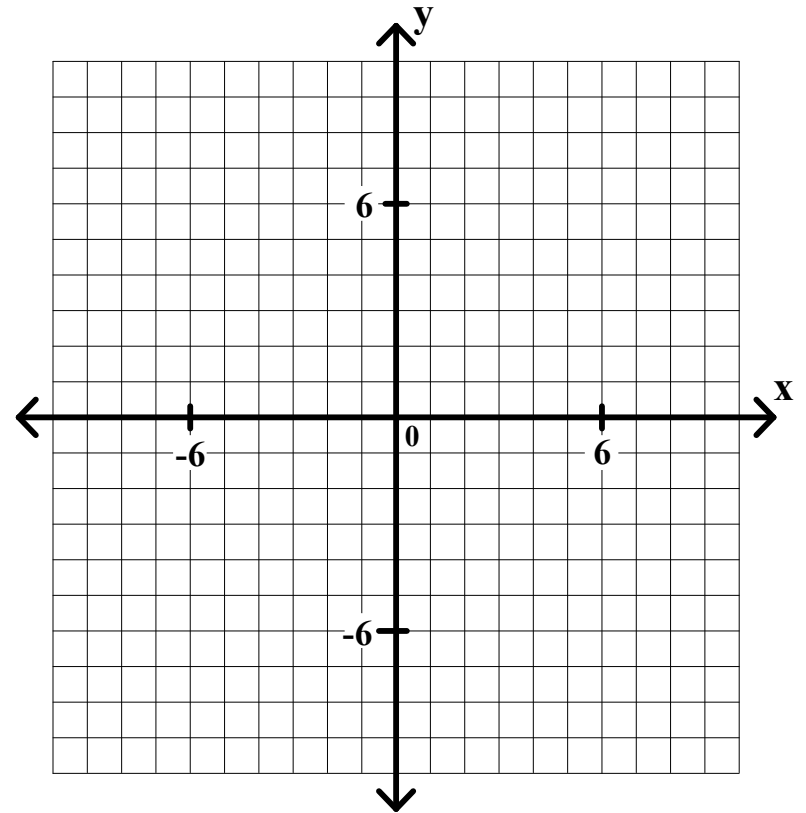
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq x - 6$$



Graph the intersection of the solution sets of all inequalities.

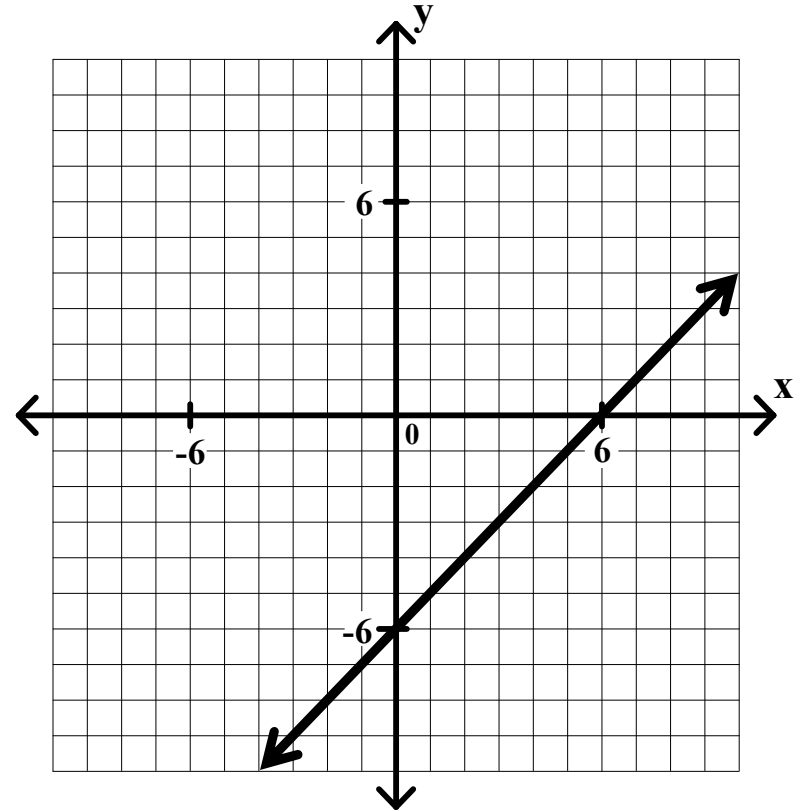
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq x - 6$$



Graph the intersection of the solution sets of all inequalities.

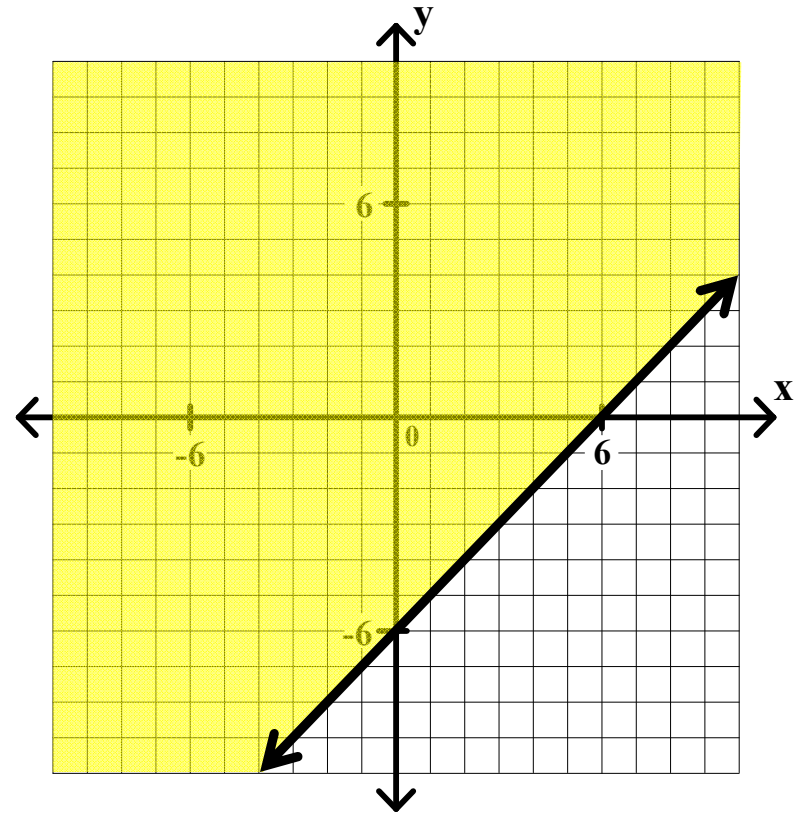
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$$-y \leq -x + 6$$
$$y \geq x - 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

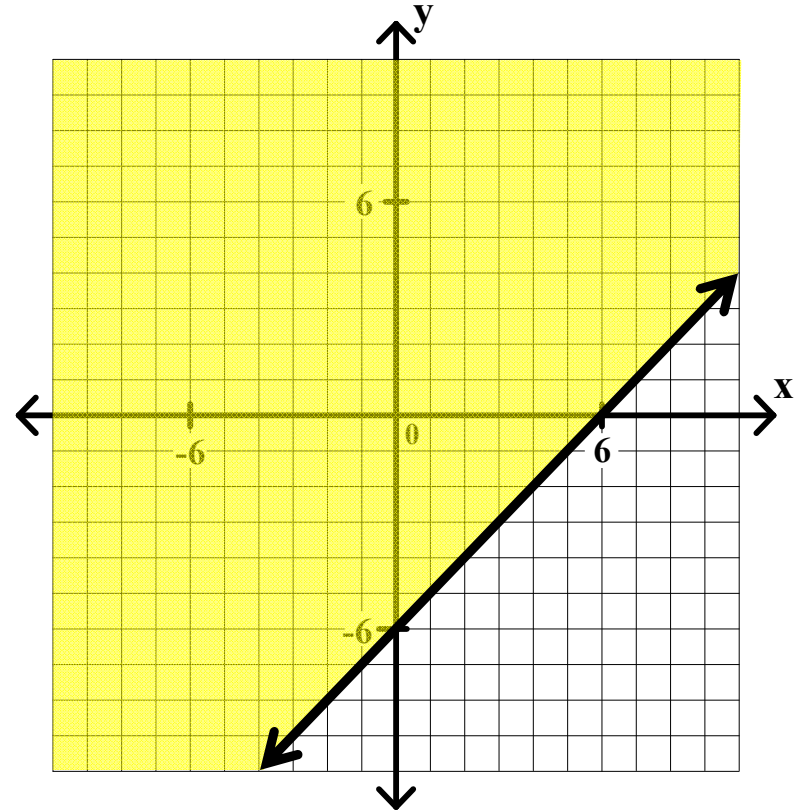
$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

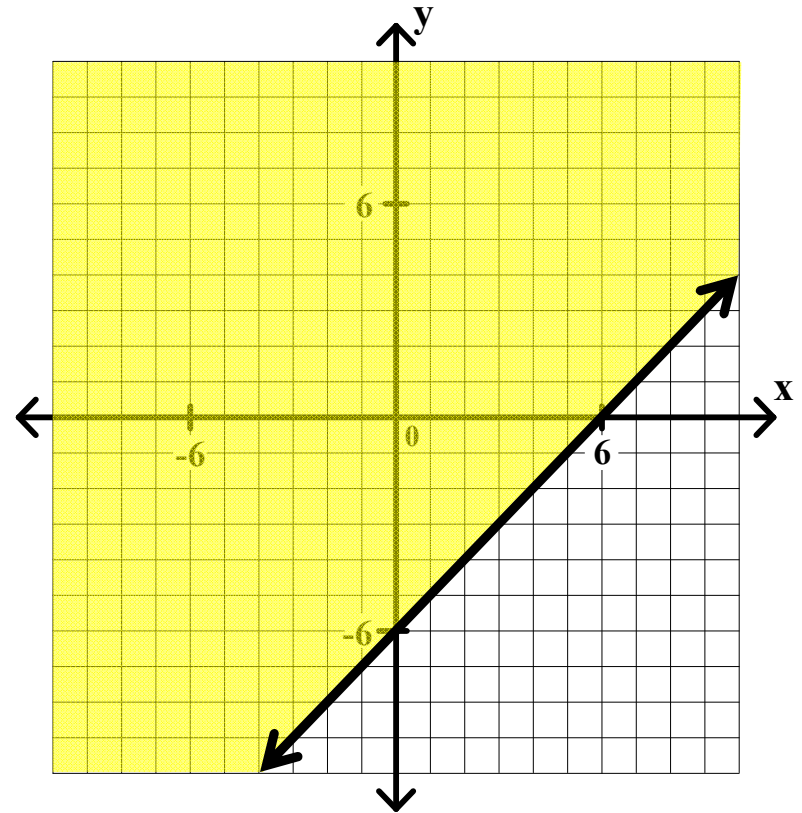
$$-2x + y \leq 5$$

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

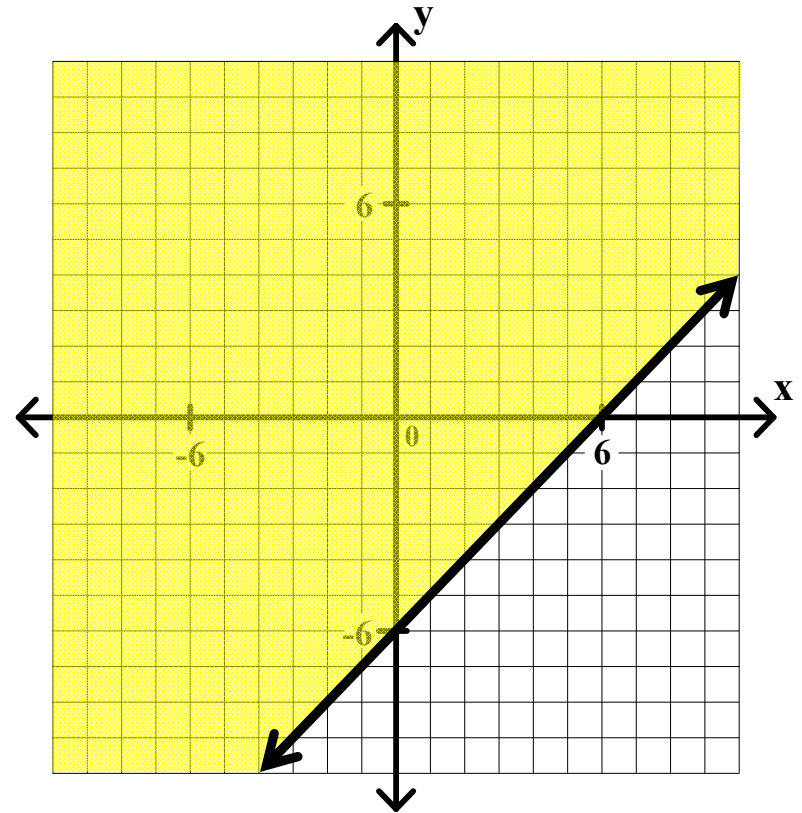
$$-2x + y \leq 5$$

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

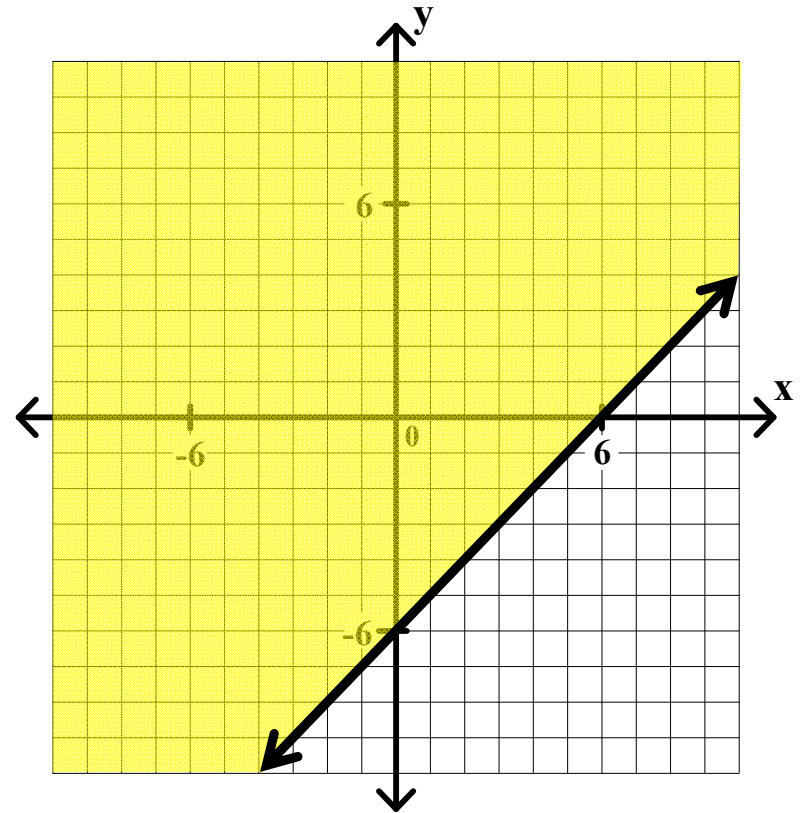
$$-2x + y \leq 5$$

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

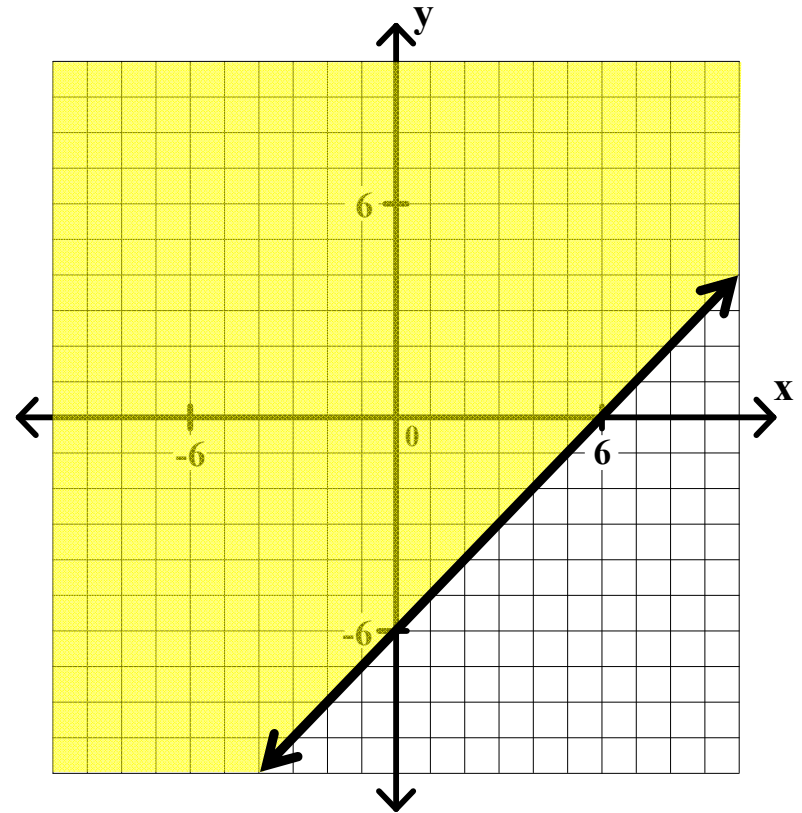
$$-2x + y \leq 5$$

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x -$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

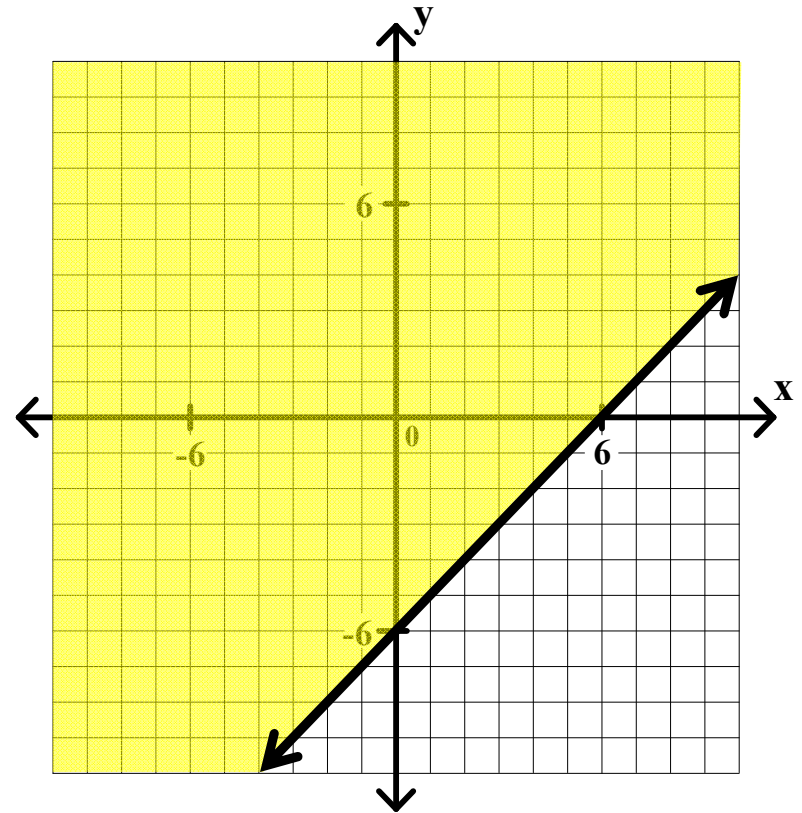
$$-2x + y \leq 5$$

$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

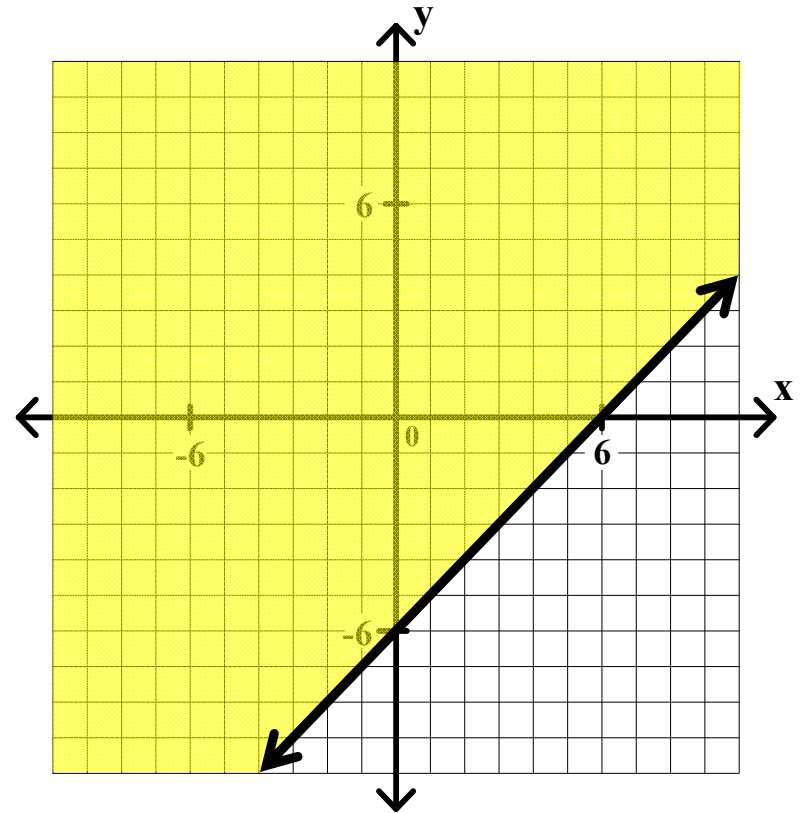
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

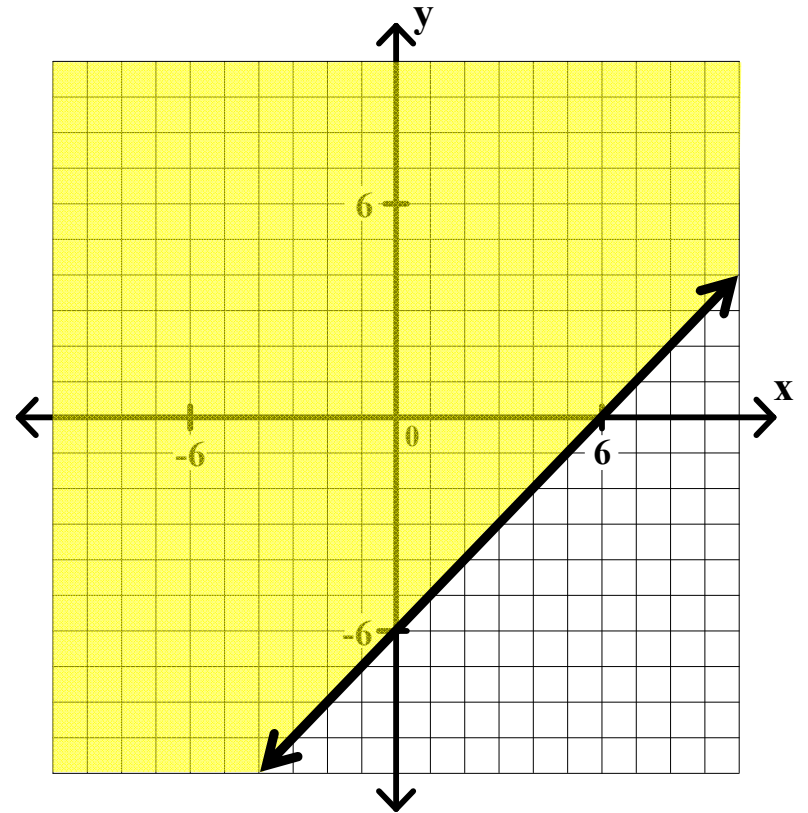
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

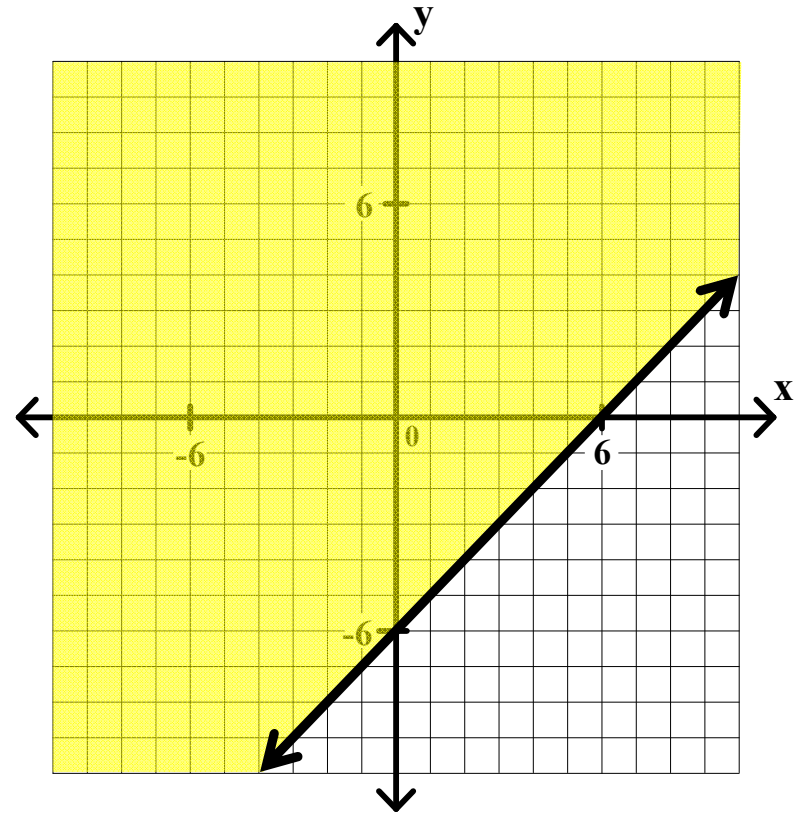
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

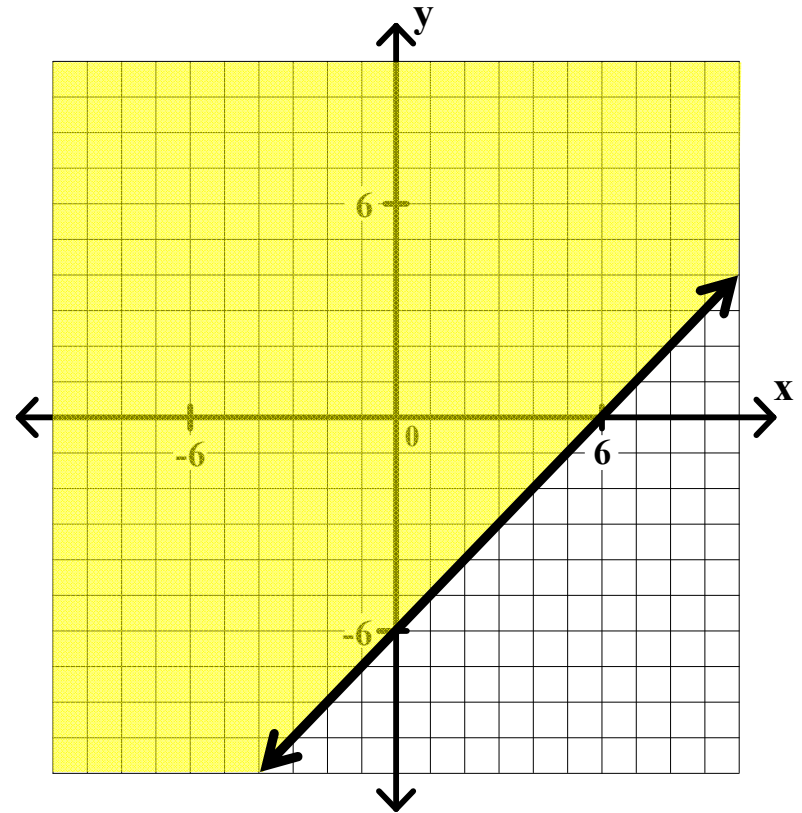
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x -$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

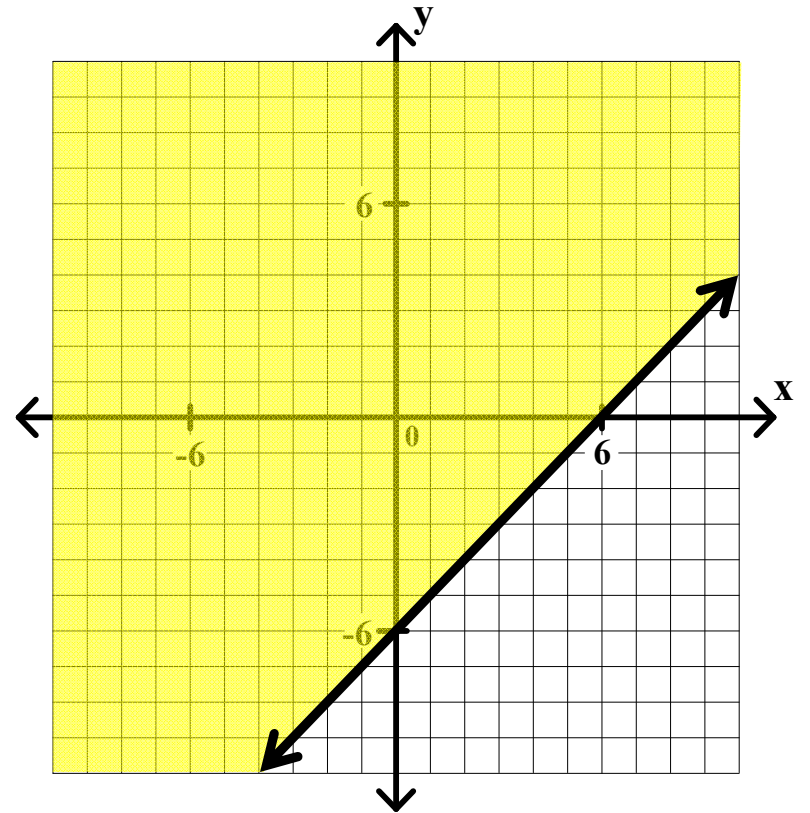
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

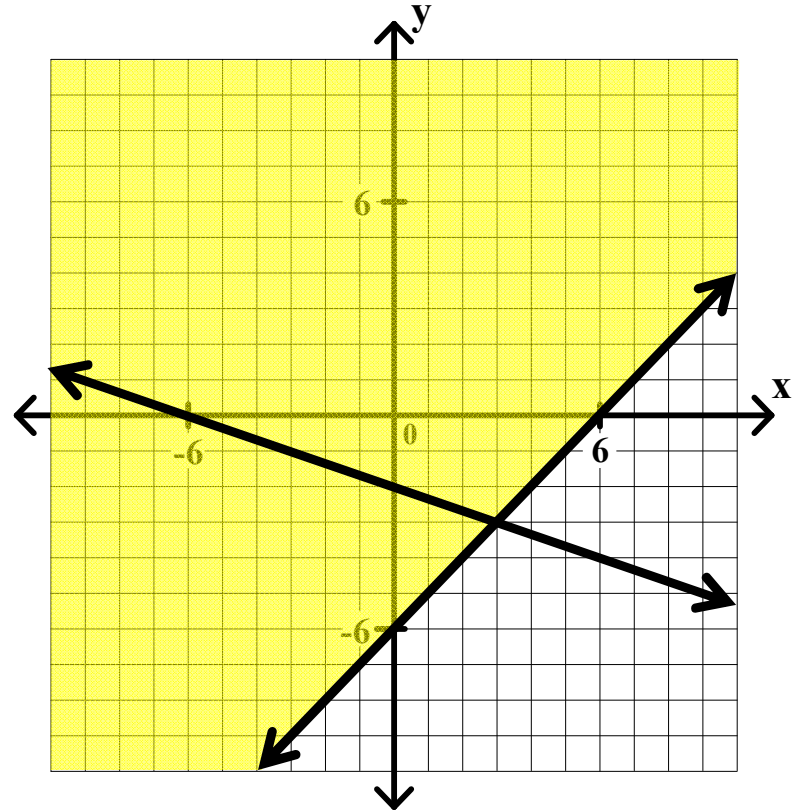
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

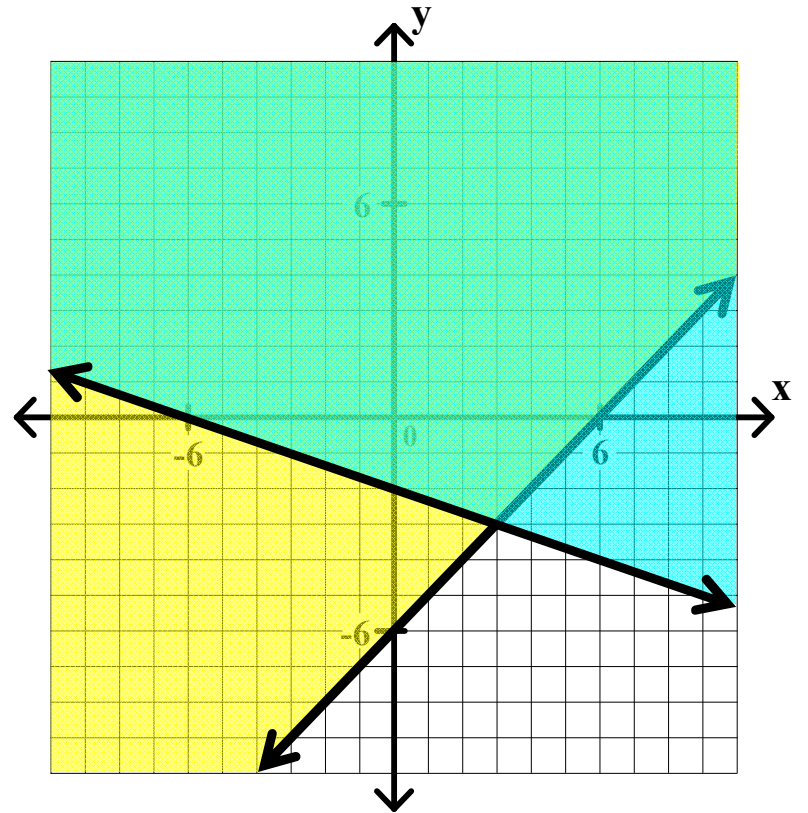
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

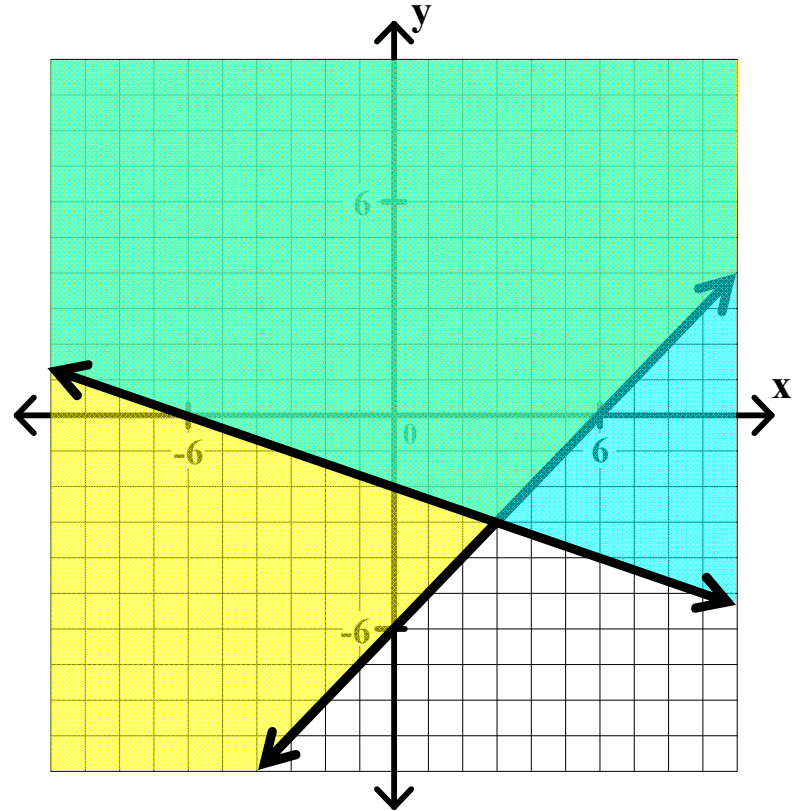
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

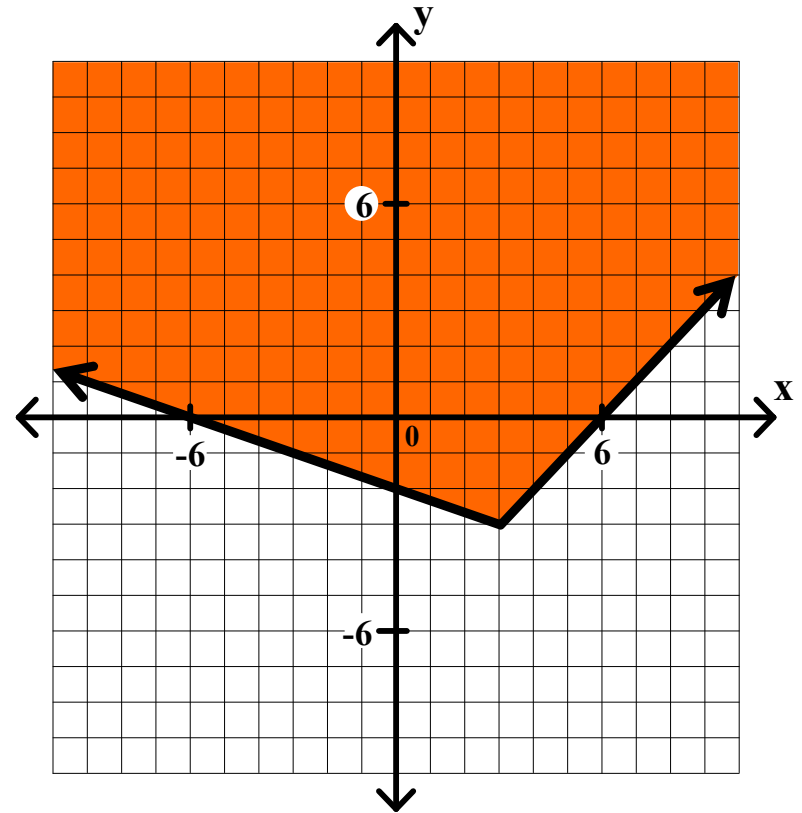
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

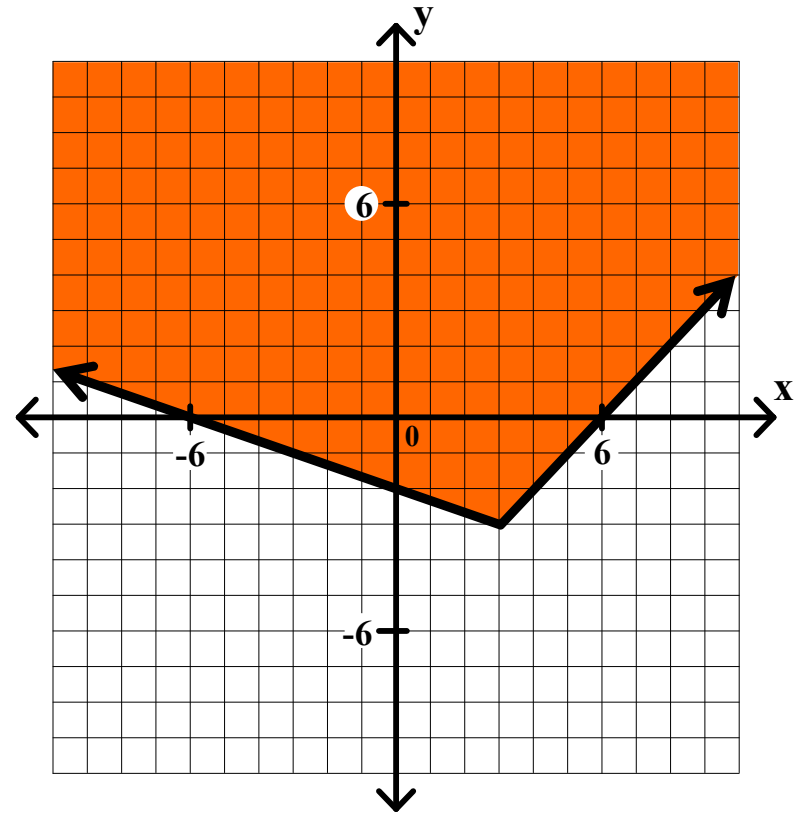
$$6x + 5y \leq 25$$

$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

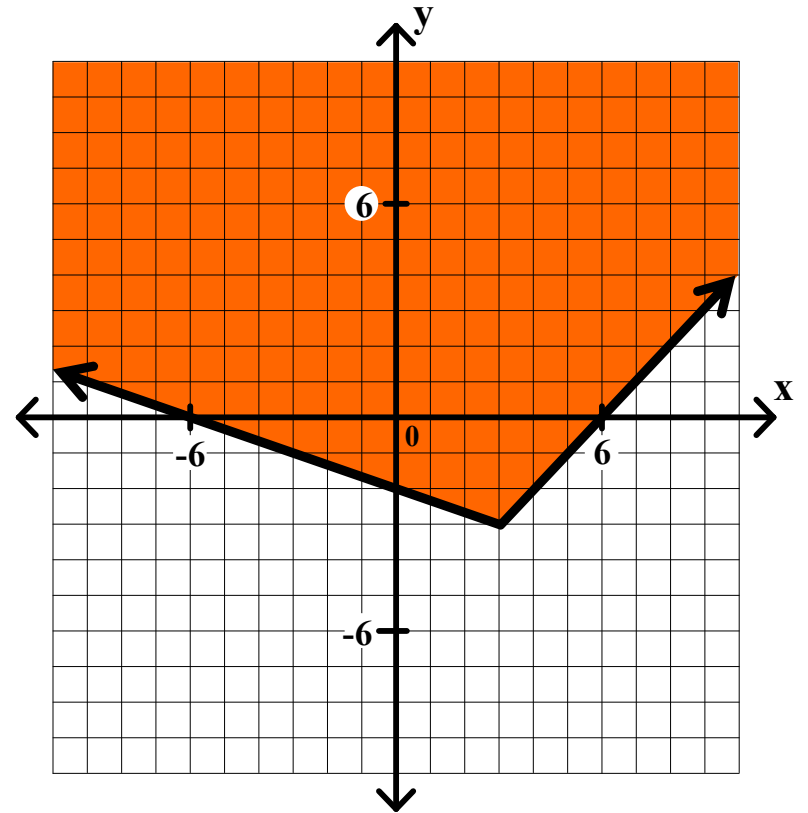
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

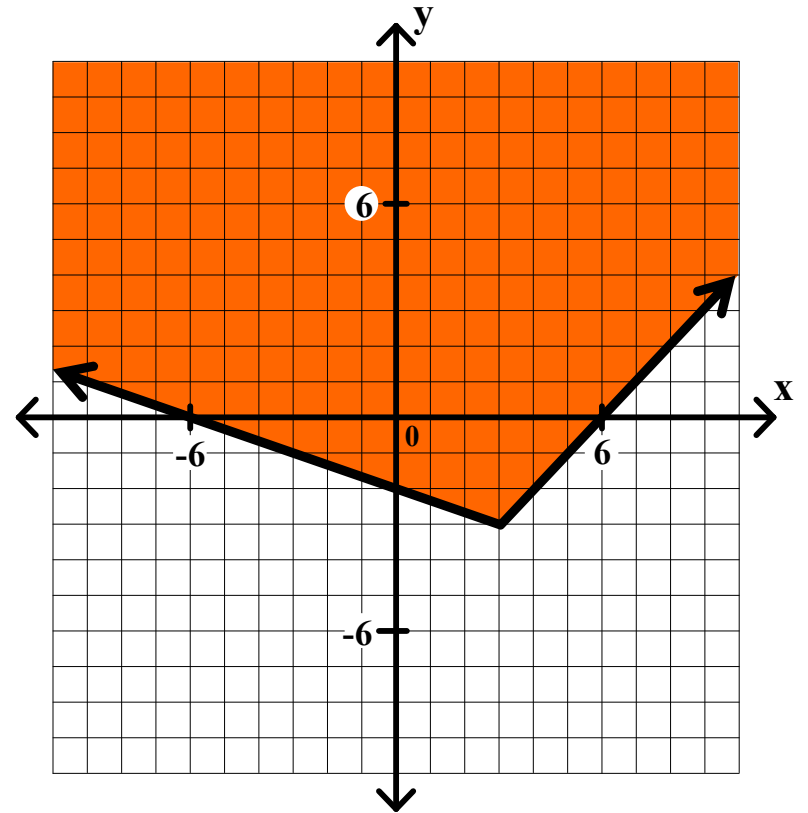
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

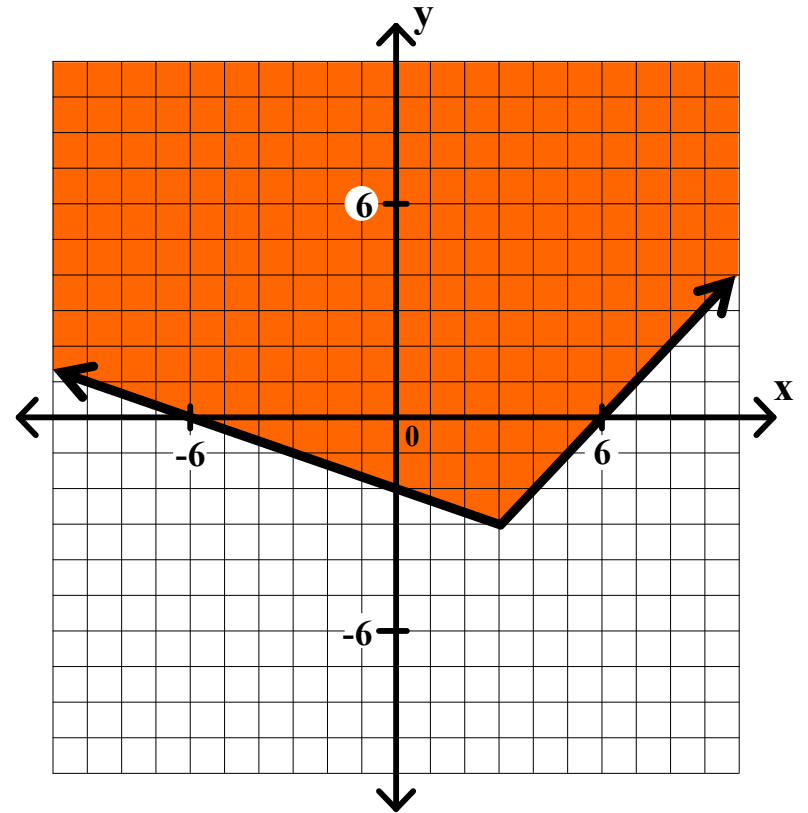
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

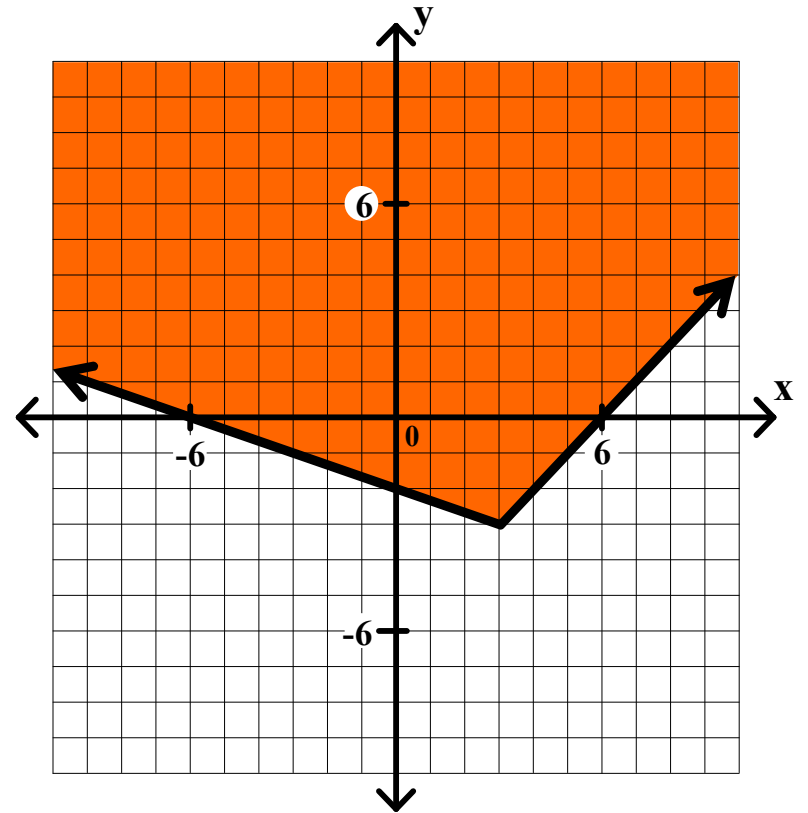
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

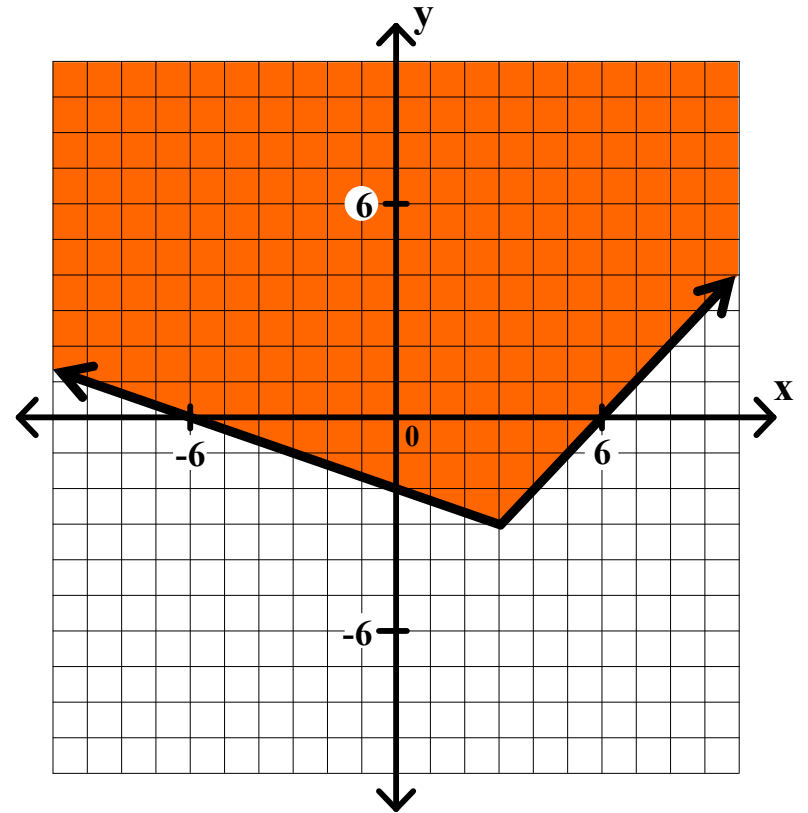
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

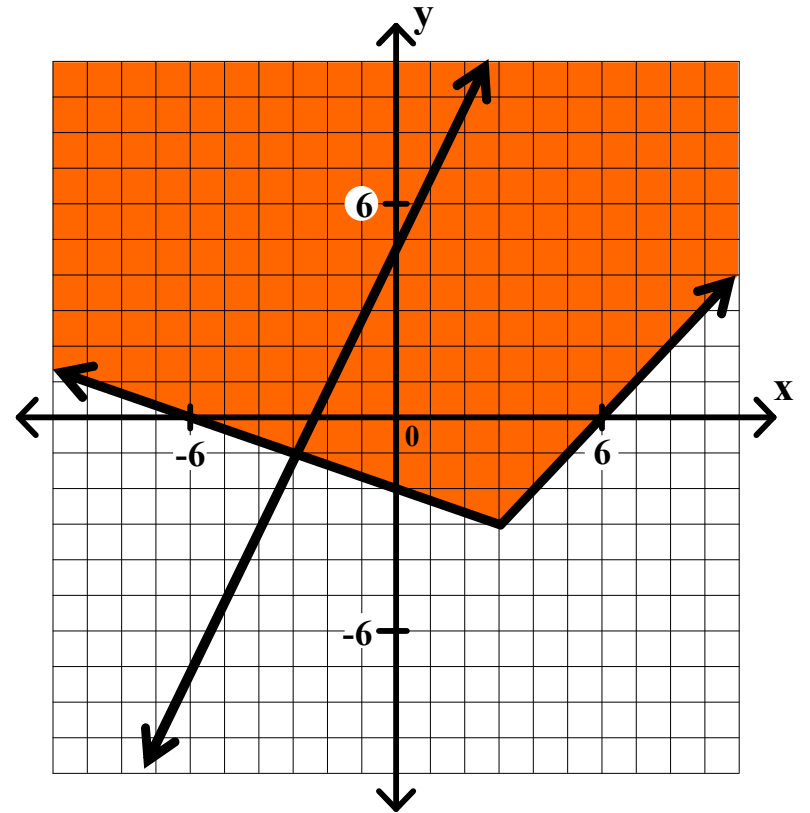
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$-y \leq -x + 6$
 $y \geq x - 6$
 $3y \geq -x - 6$
 $y \geq (-1/3)x - 2$
 $y \leq 2x + 5$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

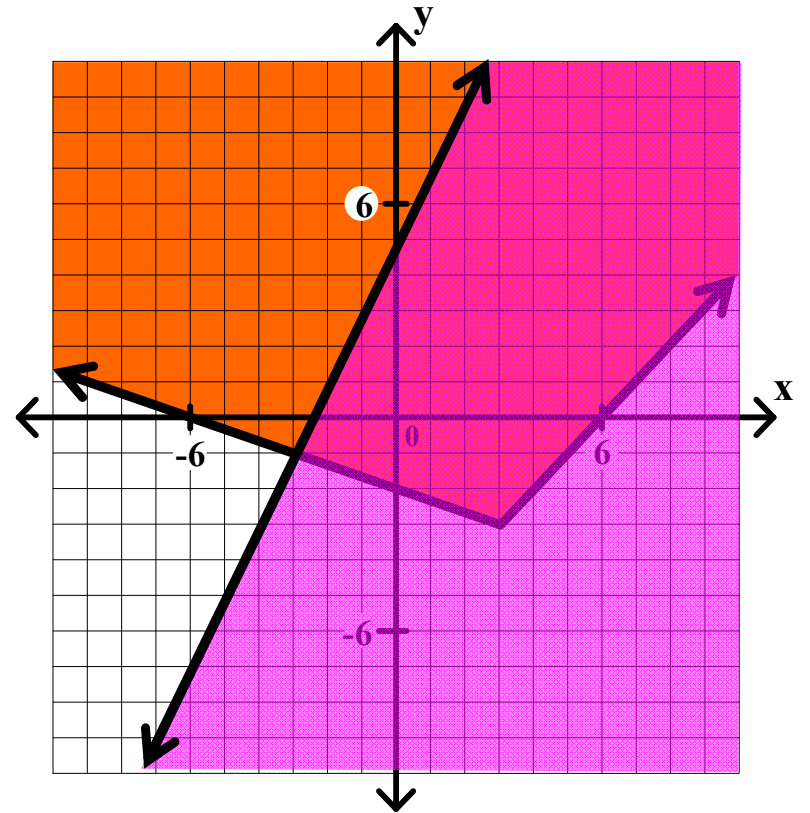
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

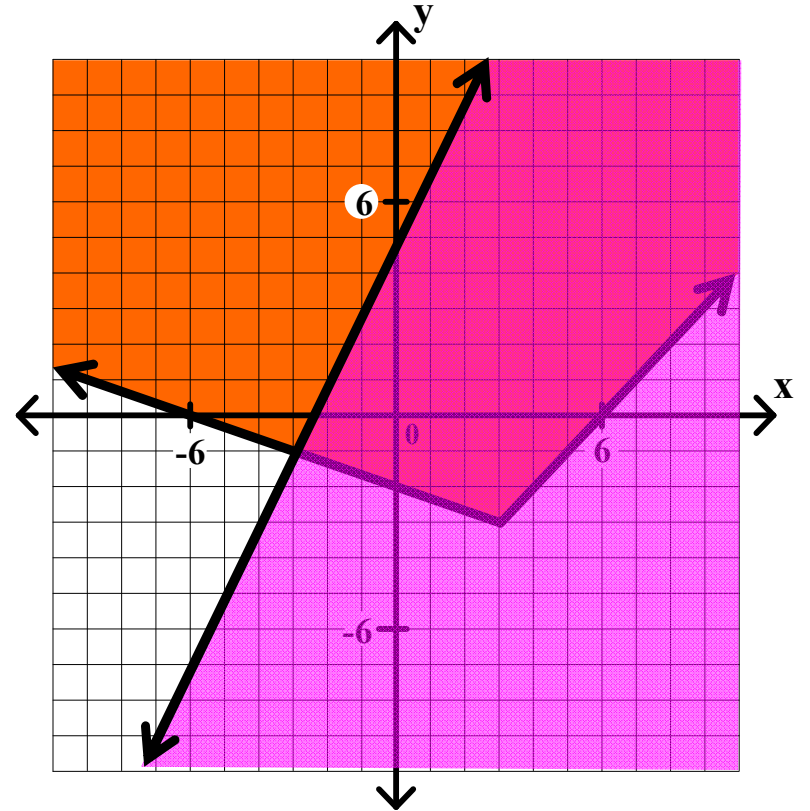
General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$
 $x + 3y \geq -6$
 $-2x + y \leq 5$
 $6x + 5y \leq 25$

$-y \leq -x + 6$
 $y \geq x - 6$
 $3y \geq -x - 6$
 $y \geq (-1/3)x - 2$
 $y \leq 2x + 5$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

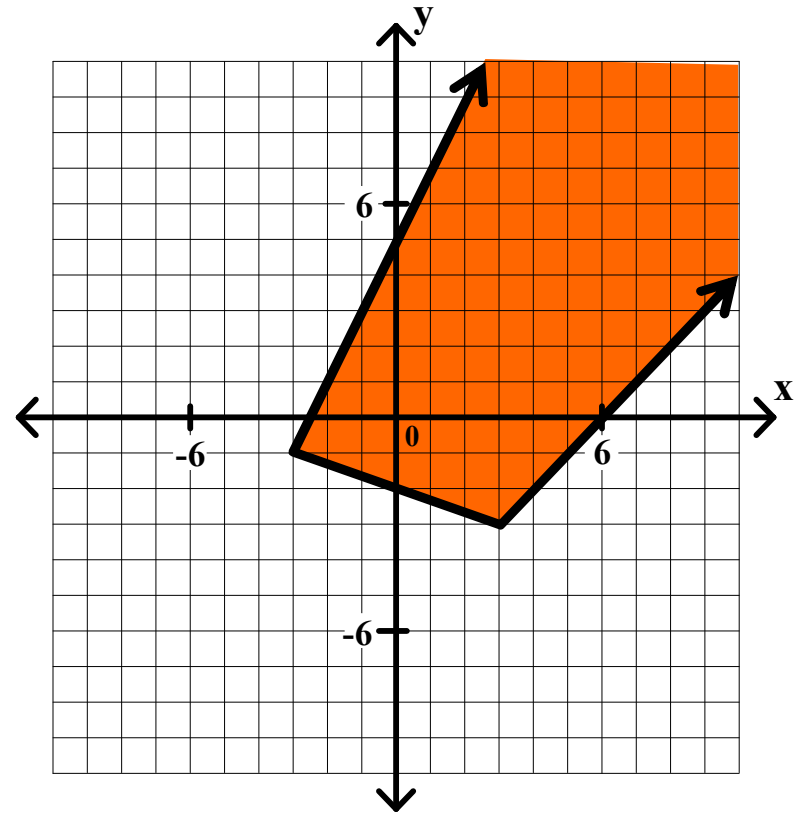
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

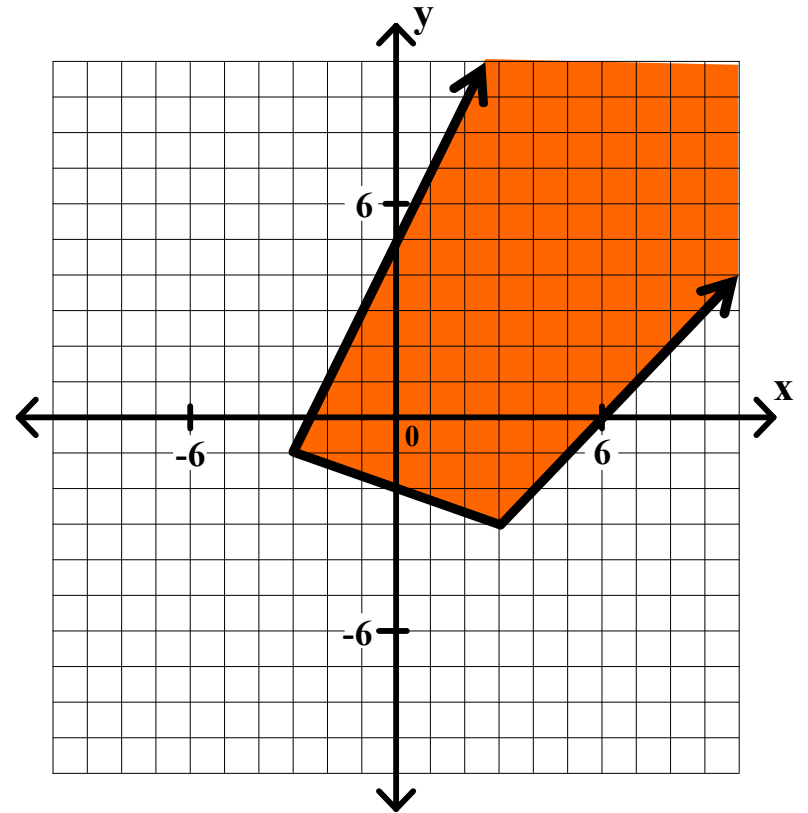
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y$$

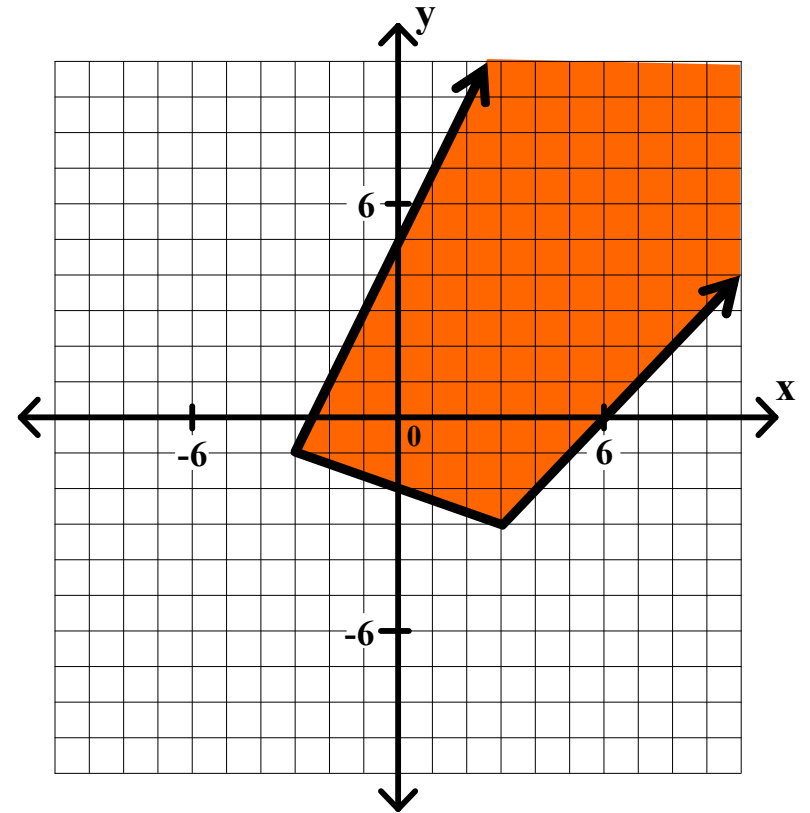
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq$$

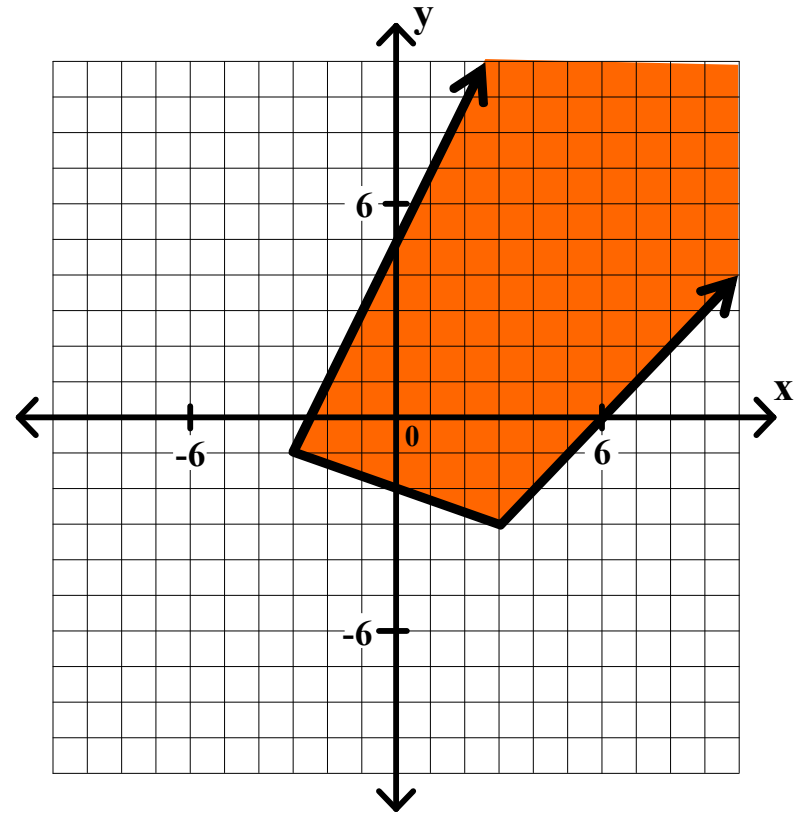
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x$$

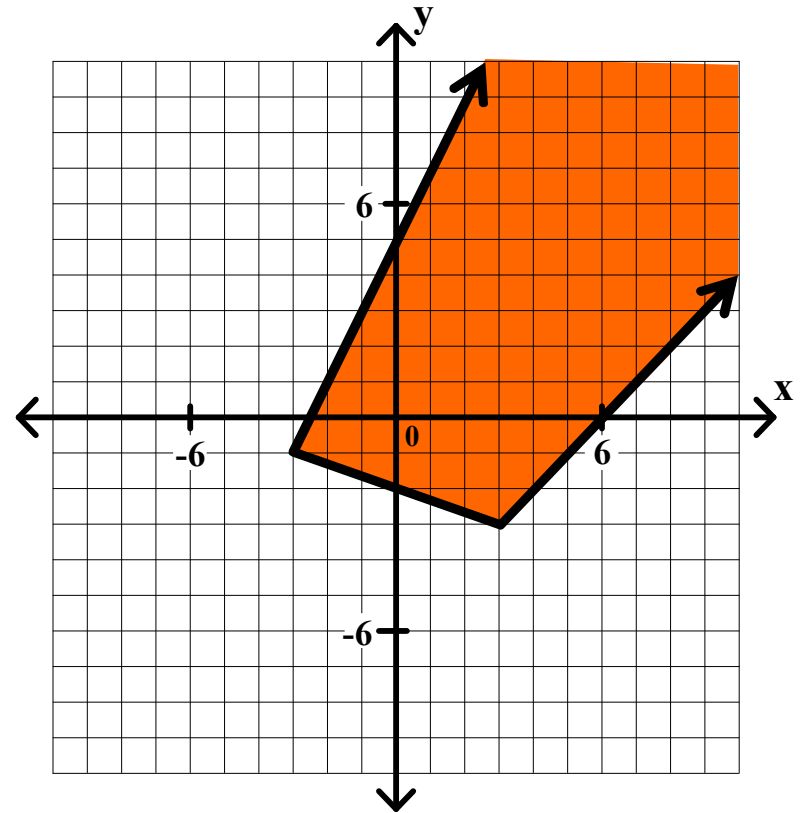
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x +$$

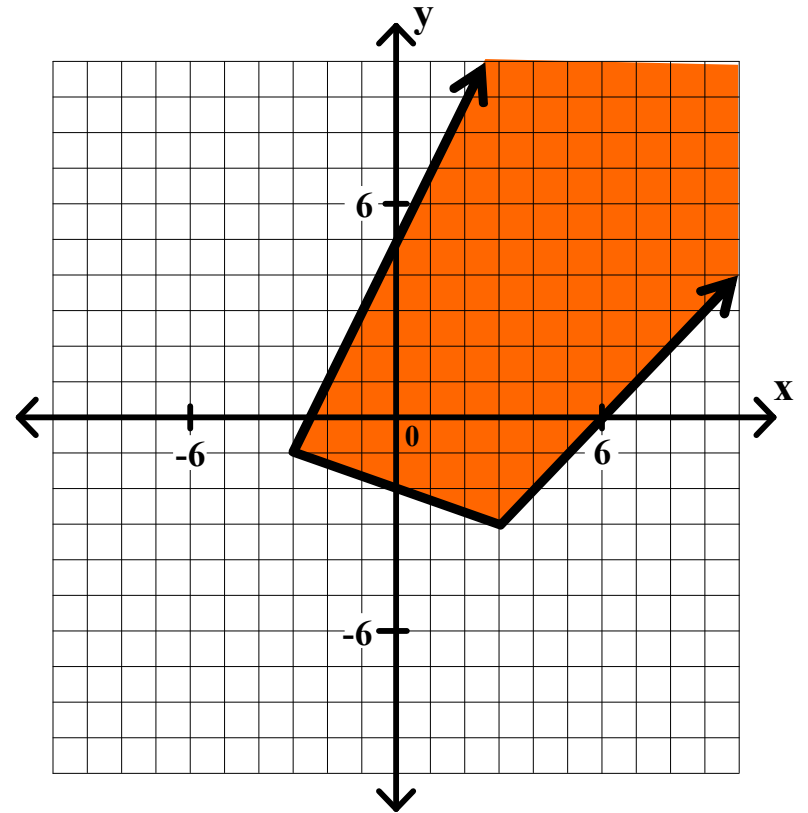
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

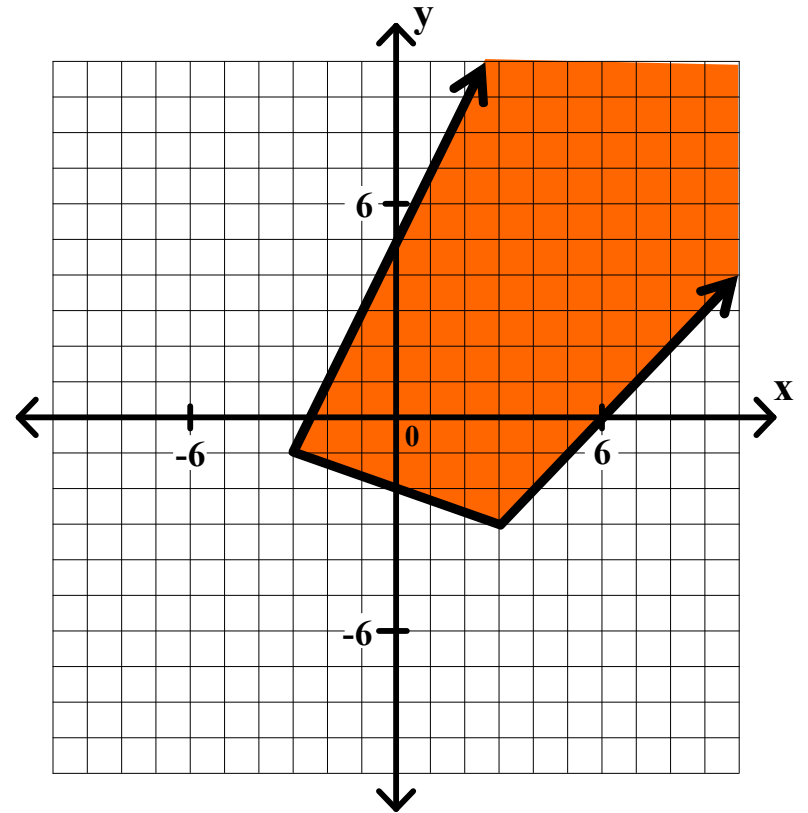
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

y

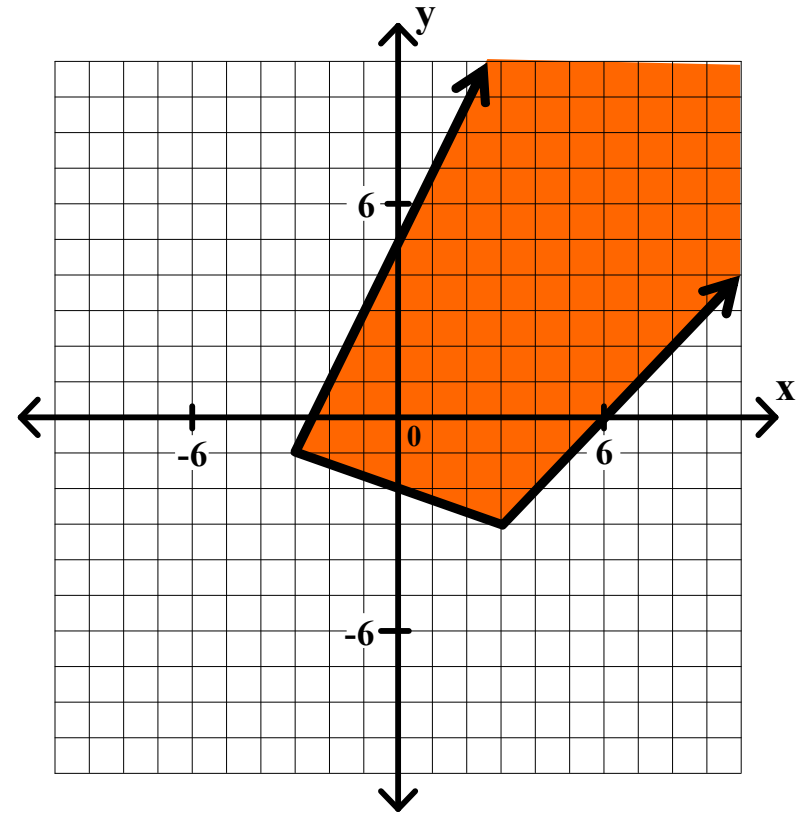
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq$$

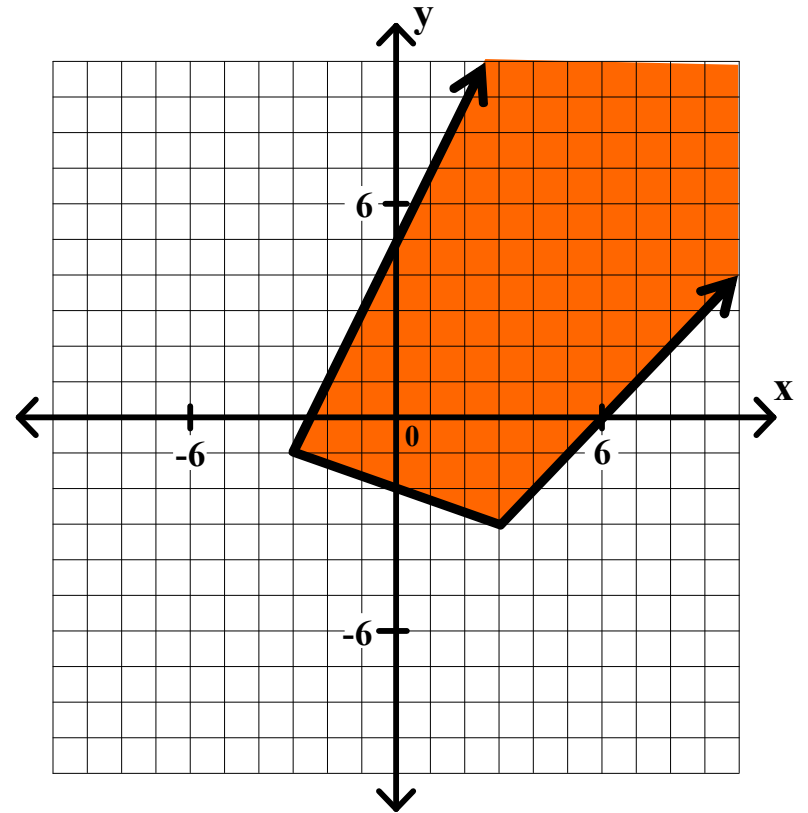
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x$$

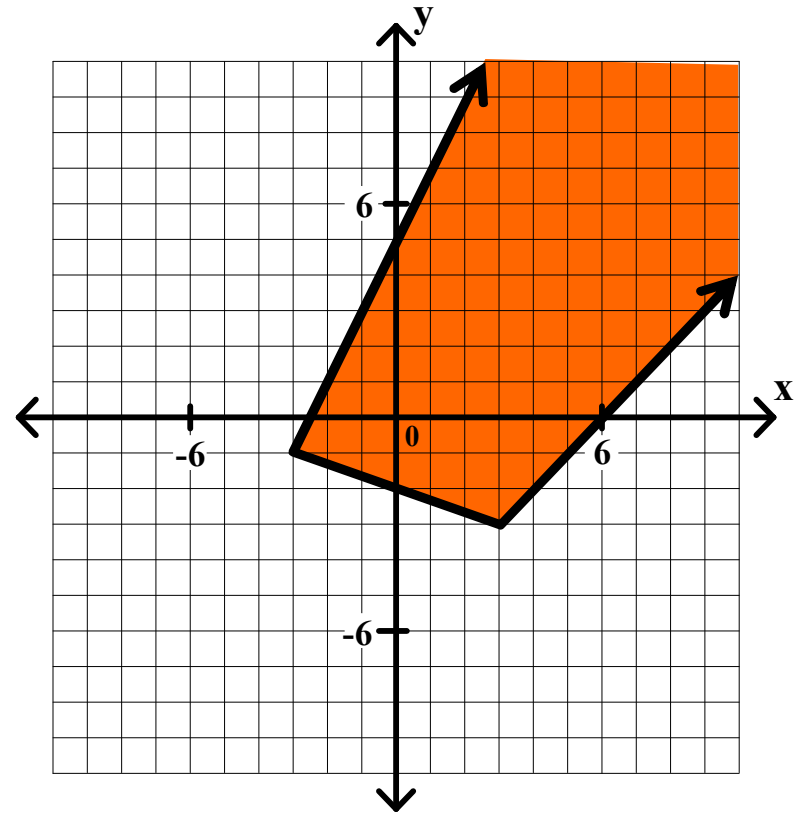
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x +$$

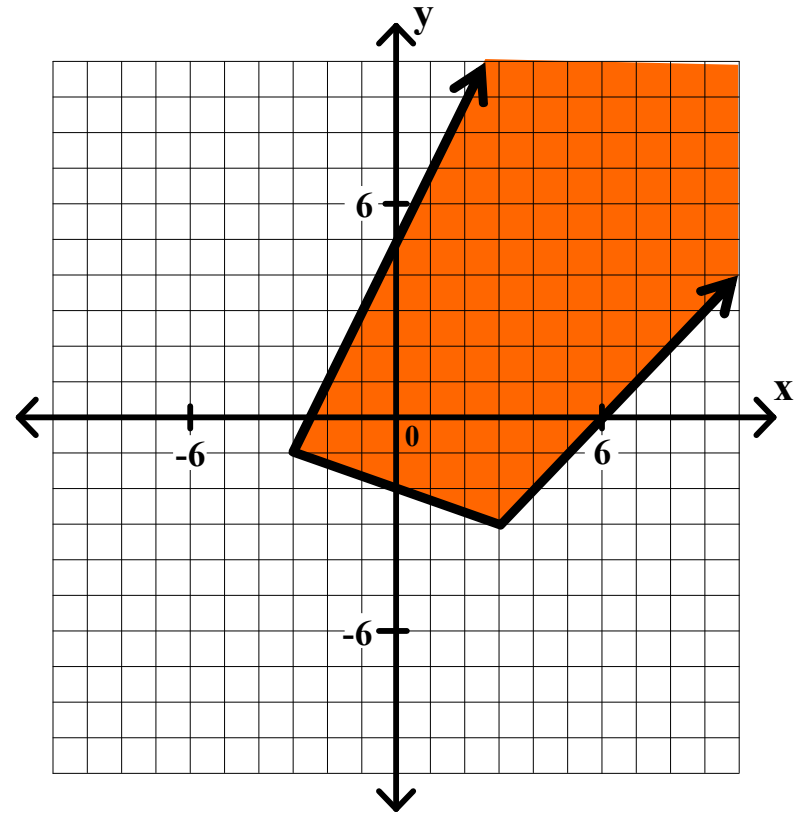
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

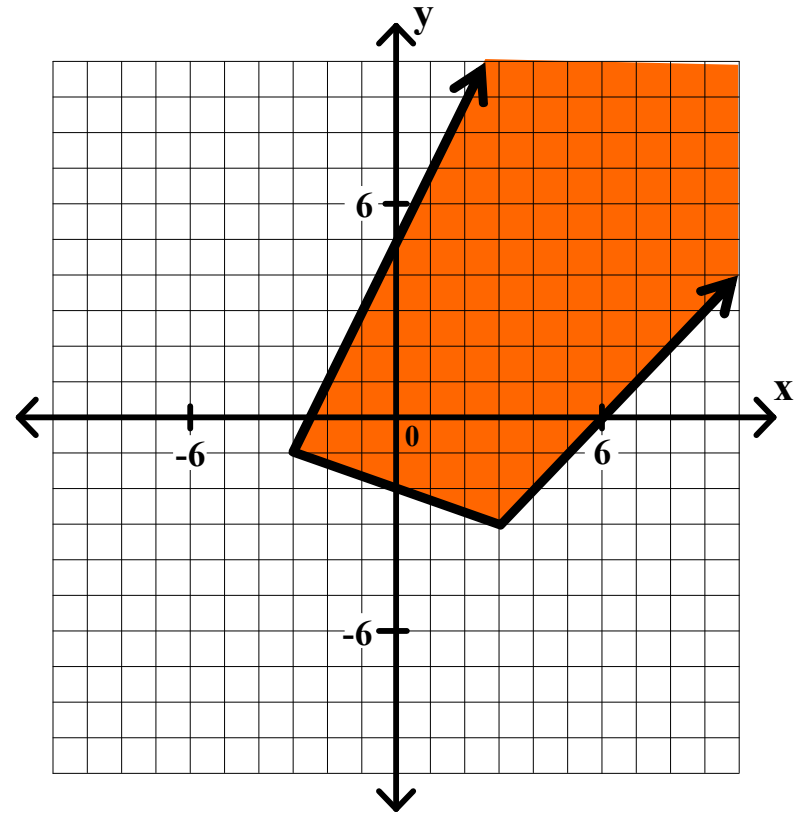
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

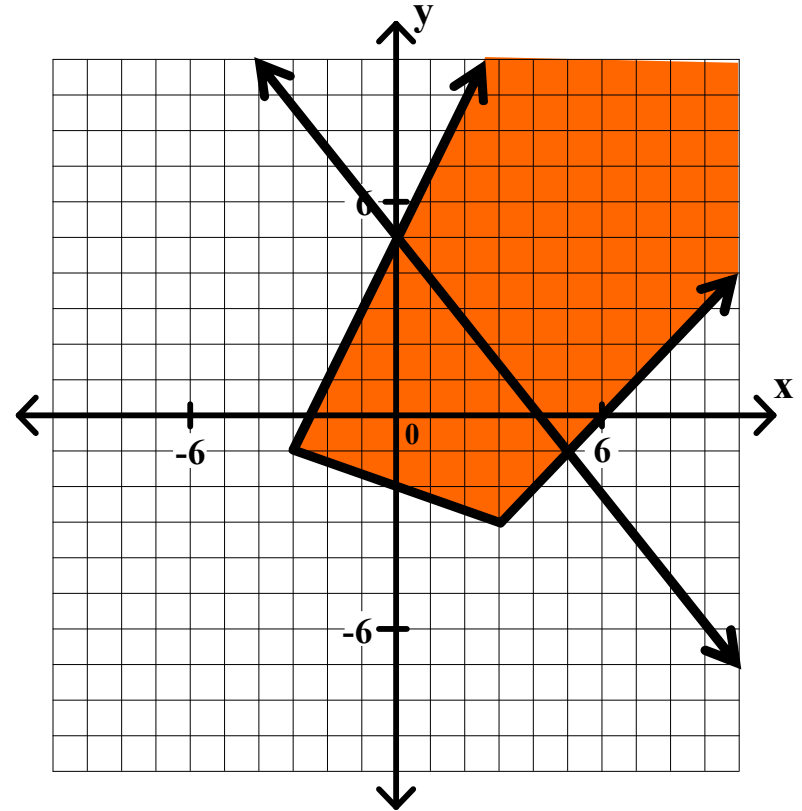
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

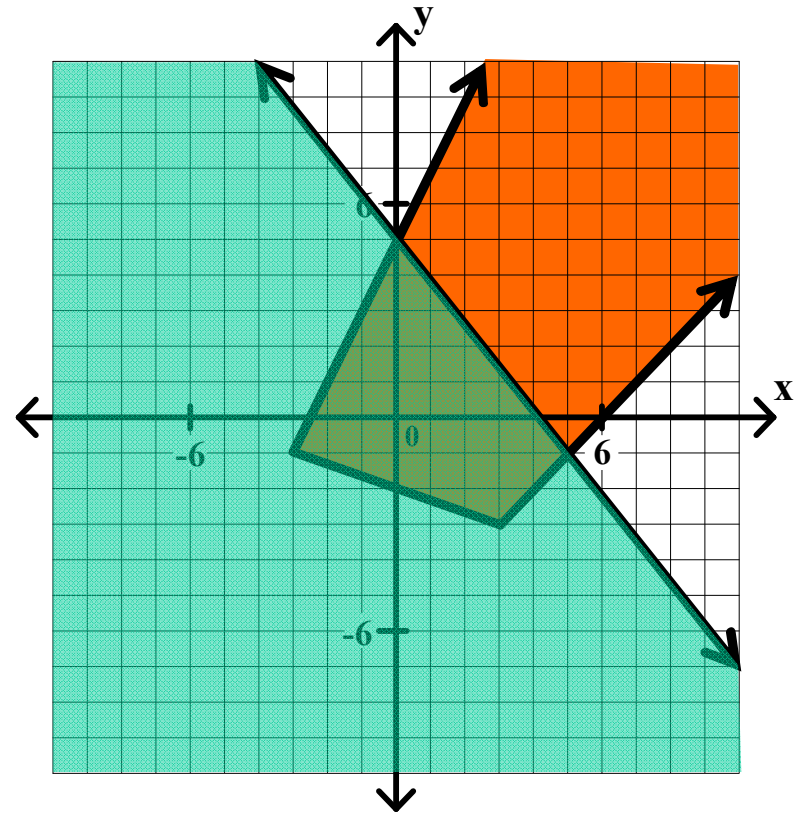
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

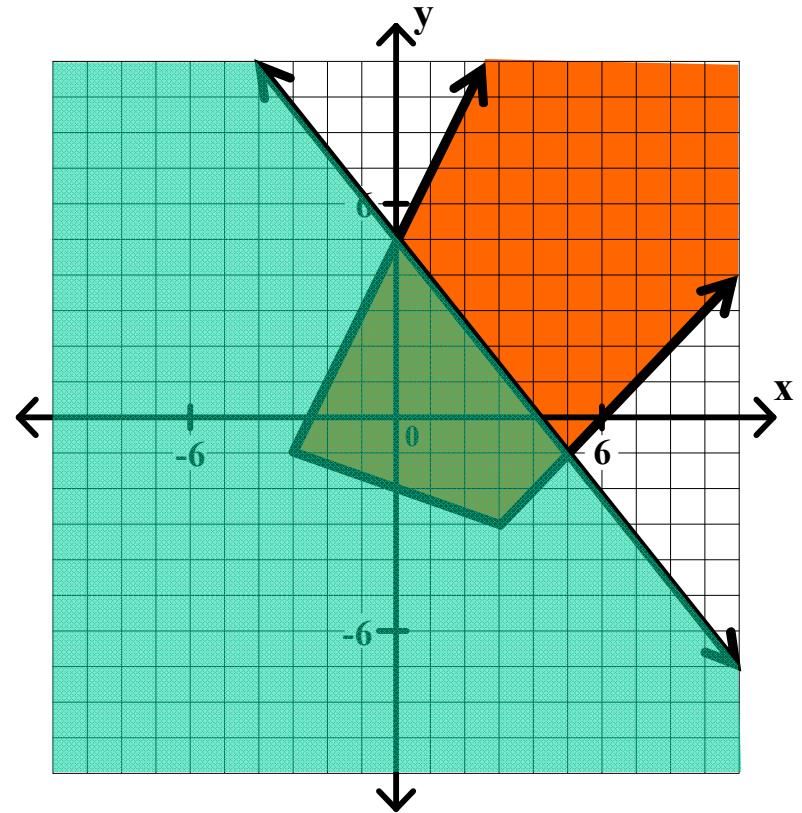
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

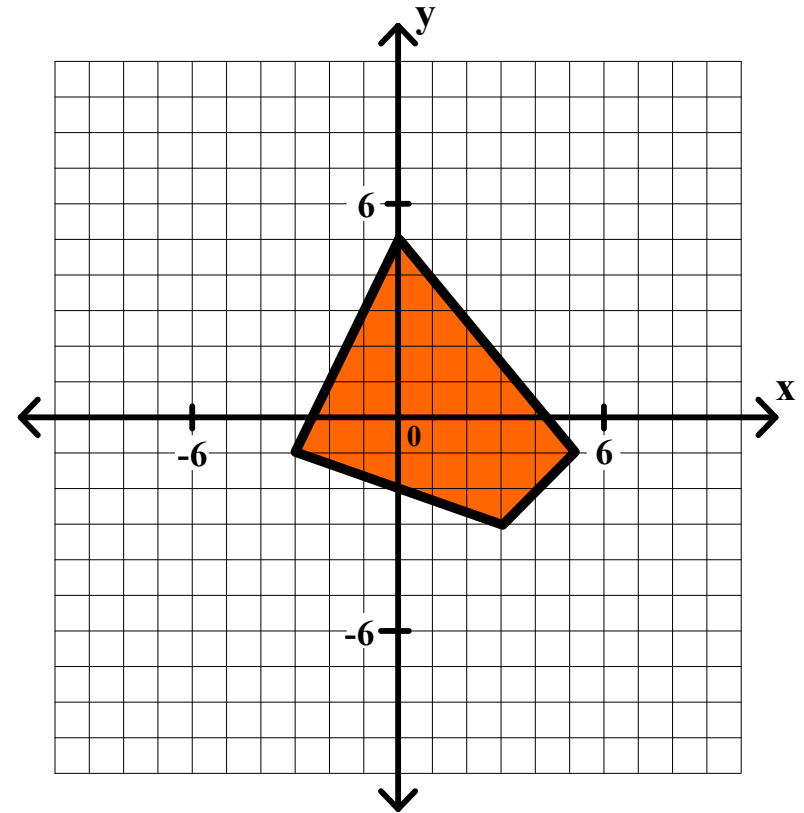
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

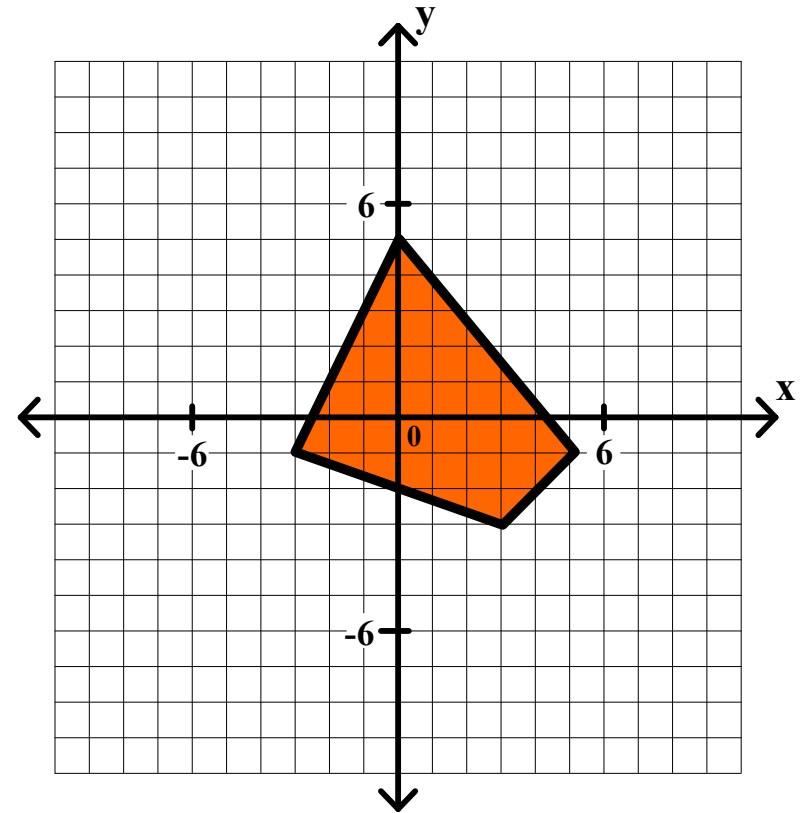
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

2. $x - y \leq 6$

$$x + 3y \geq -6$$

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

$$6x + 5y \leq 25$$

$$5y \leq -6x + 25$$

$$y \leq (-6/5)x + 5$$

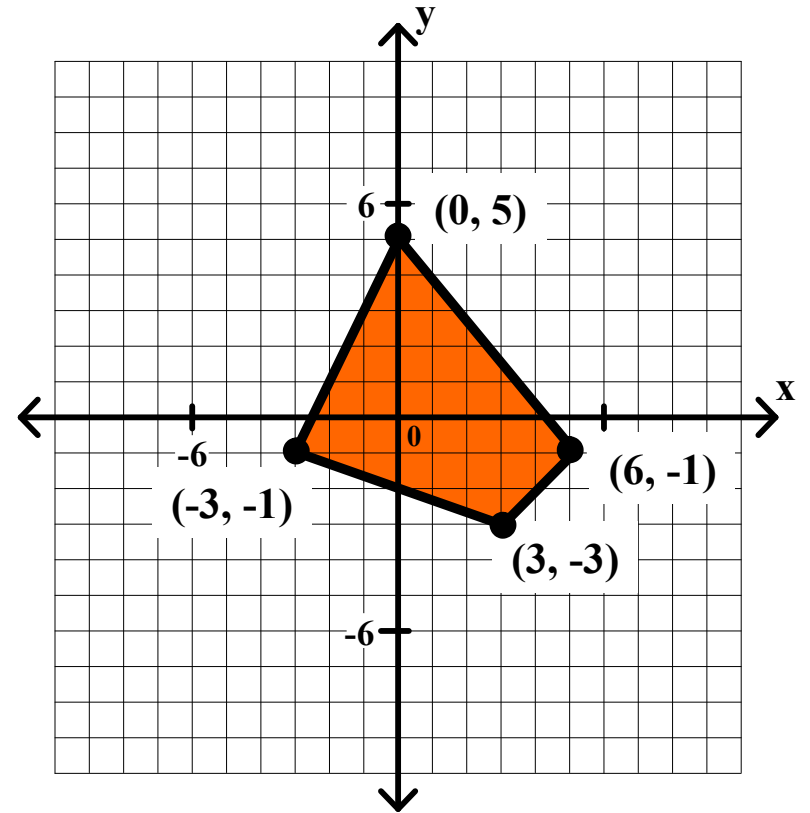
$$-y \leq -x + 6$$

$$y \geq x - 6$$

$$3y \geq -x - 6$$

$$y \geq (-1/3)x - 2$$

$$y \leq 2x + 5$$



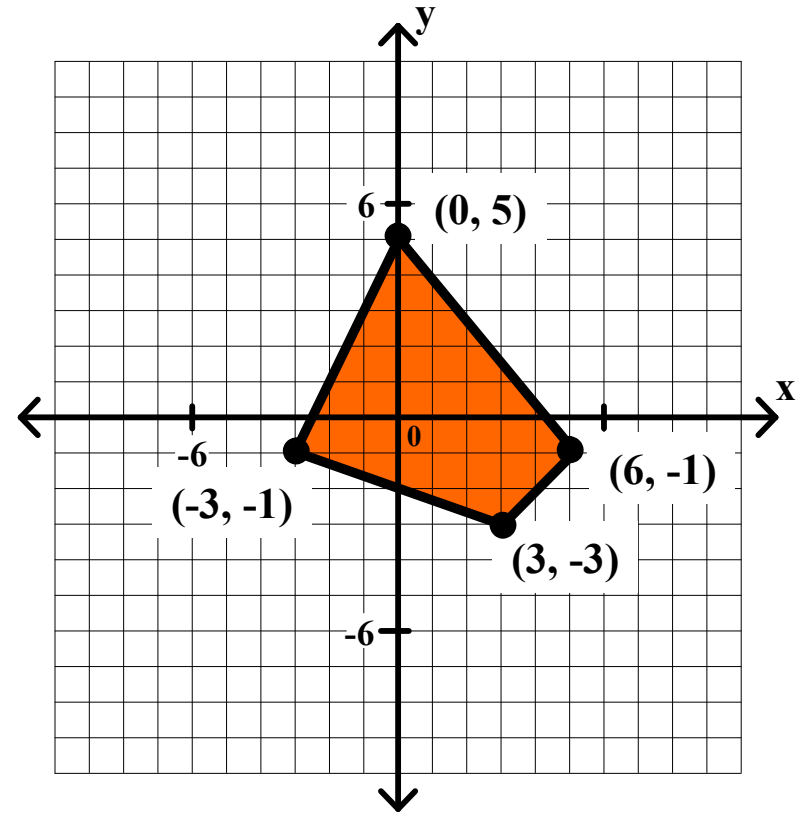
Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

$$\begin{array}{ll} 2. \quad x - y \leq 6 & -y \leq -x + 6 \\ \quad \quad x + 3y \geq -6 & \quad \quad y \geq x - 6 \\ \quad \quad -2x + y \leq 5 & \quad \quad 3y \geq -x - 6 \\ \quad \quad 6x + 5y \leq 25 & \quad \quad y \geq (-1/3)x - 2 \\ \quad \quad 5y \leq -6x + 25 & \quad \quad y \leq 2x + 5 \\ \quad \quad y \leq (-6/5)x + 5 & \end{array}$$



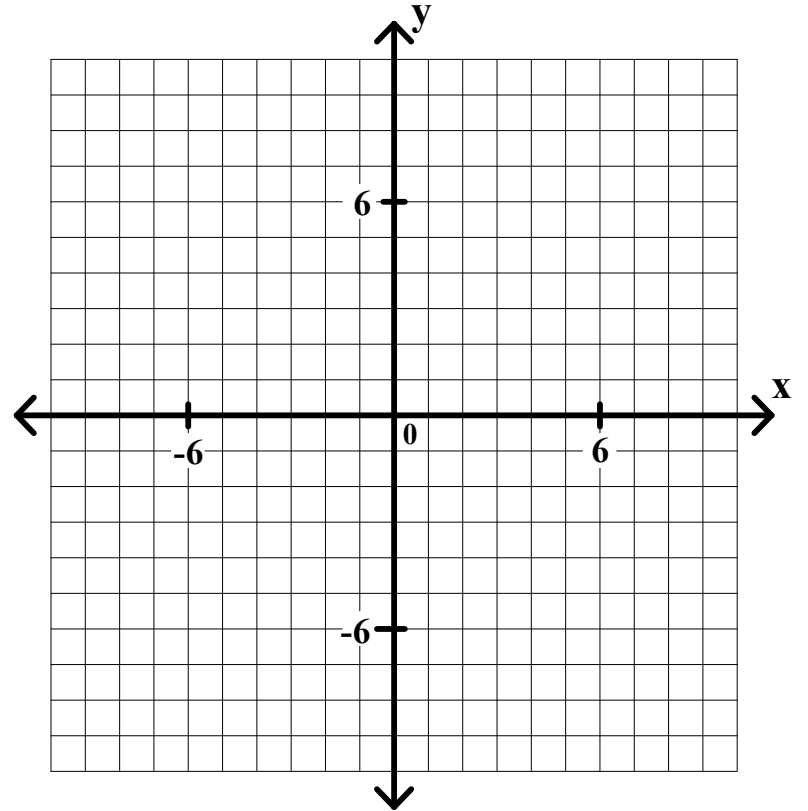
Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$
 $2x + y \leq 11$
 $x + 3y \leq 18$
 $-4x + 3y \leq 33$
 $x + y \geq -10$

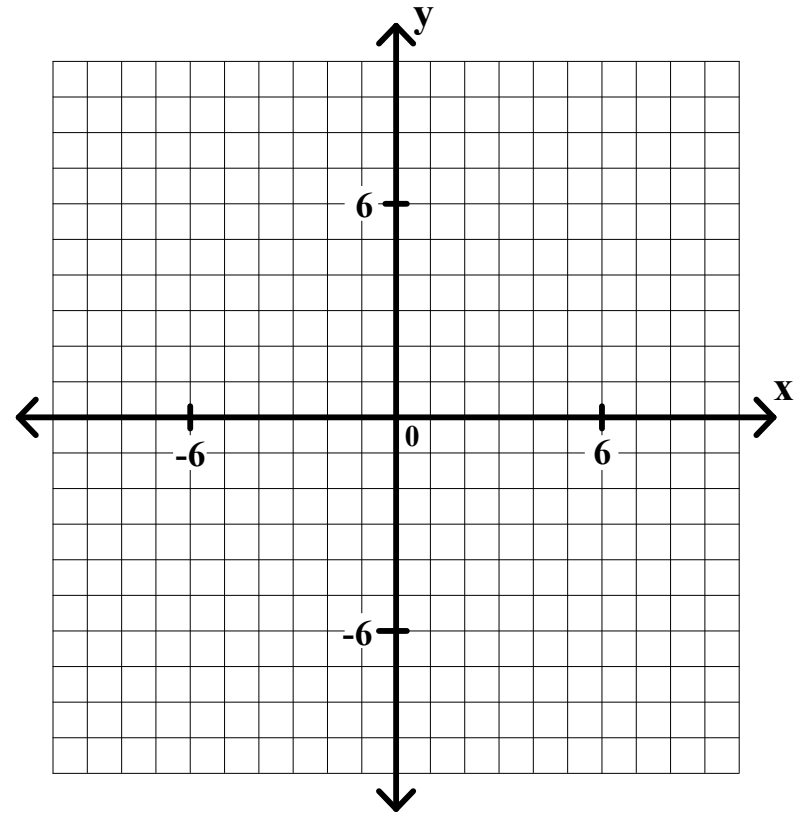


General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$
 $2x + y \leq 11$
 $x + 3y \leq 18$
 $-4x + 3y \leq 33$
 $x + y \geq -10$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

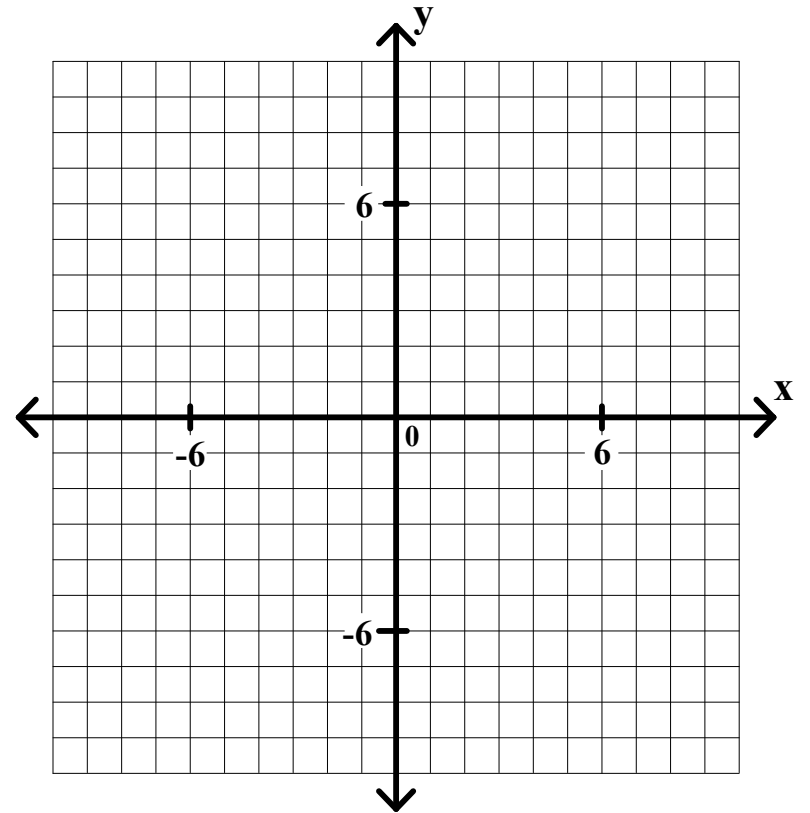
3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

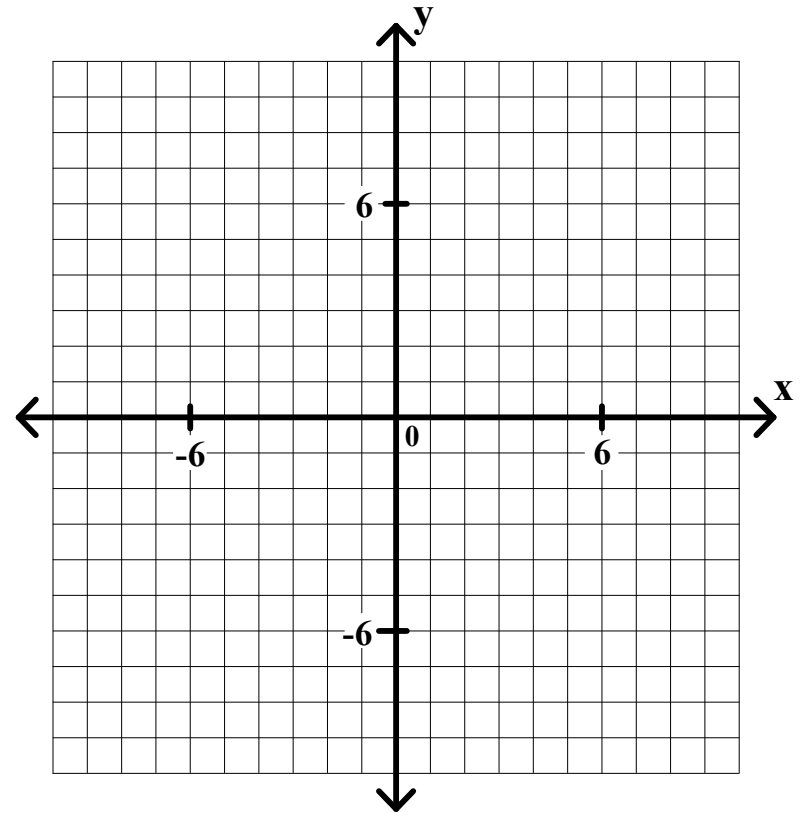
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

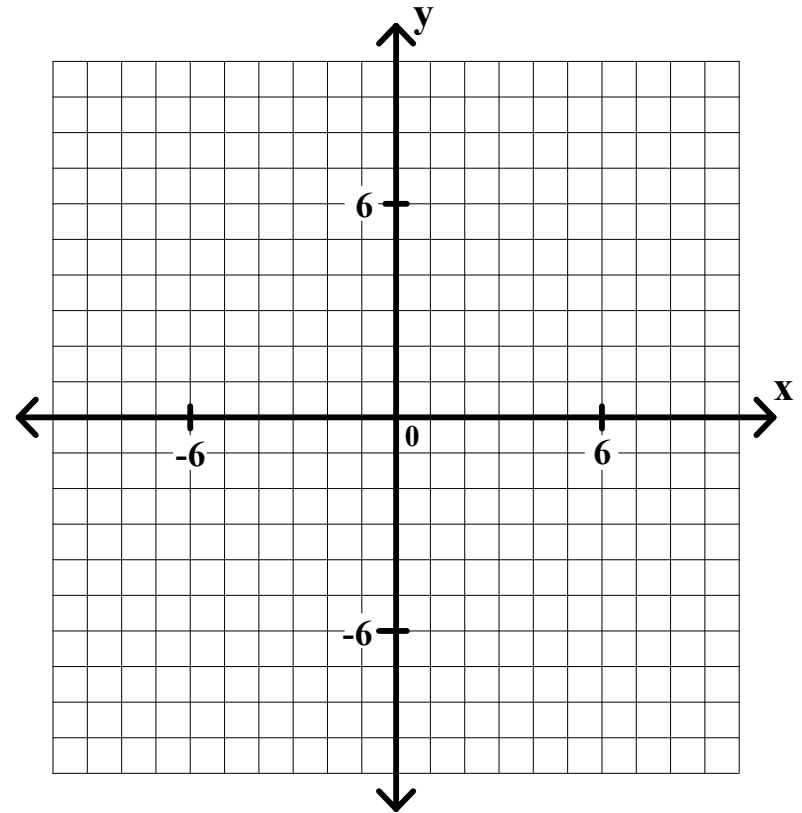
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

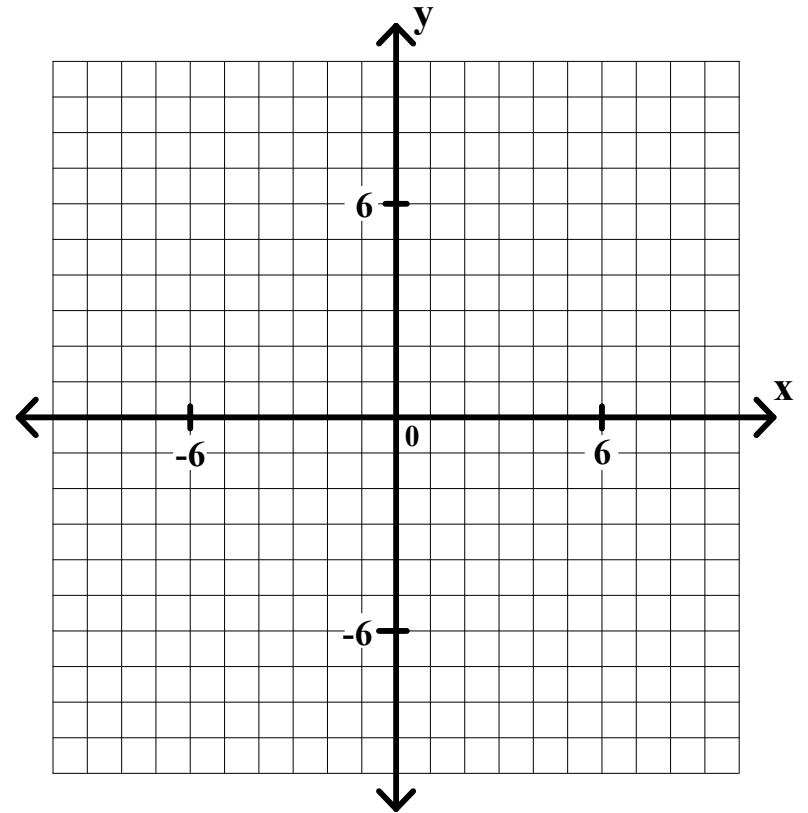
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

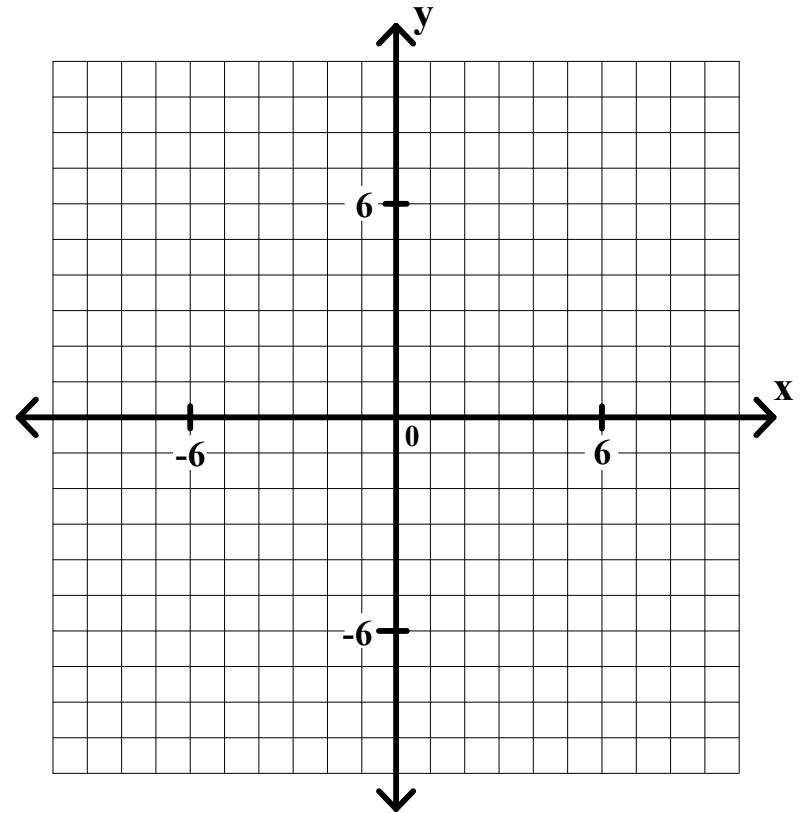
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

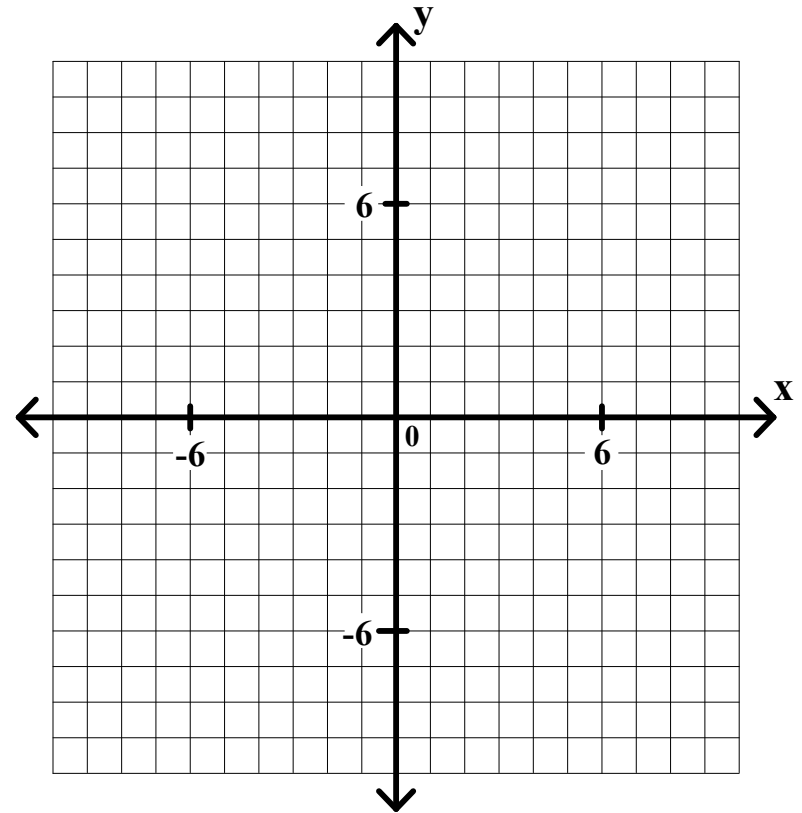
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

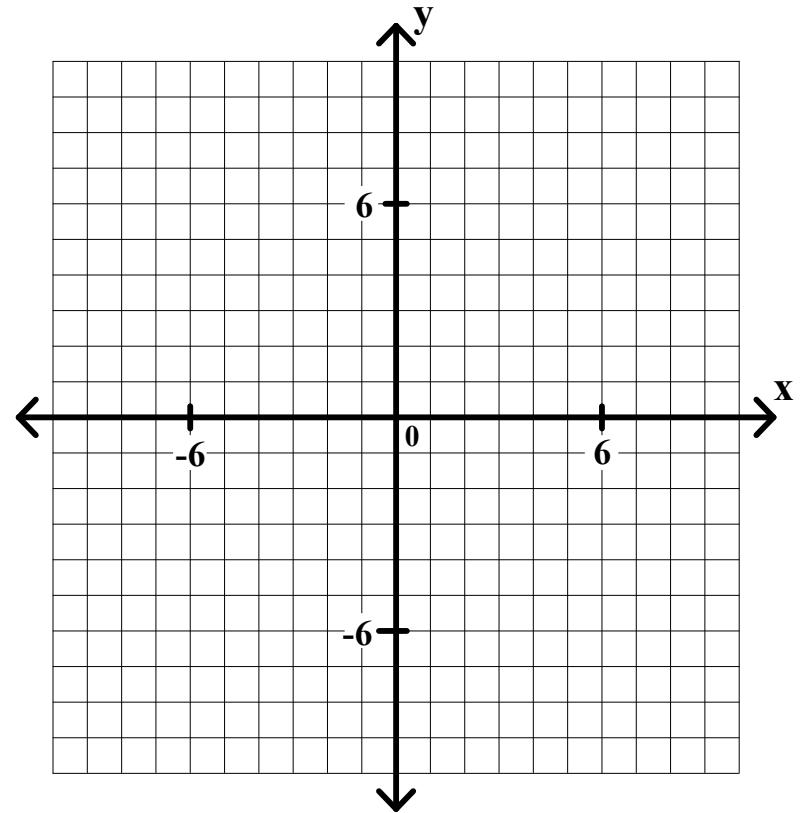
$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$
$$y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

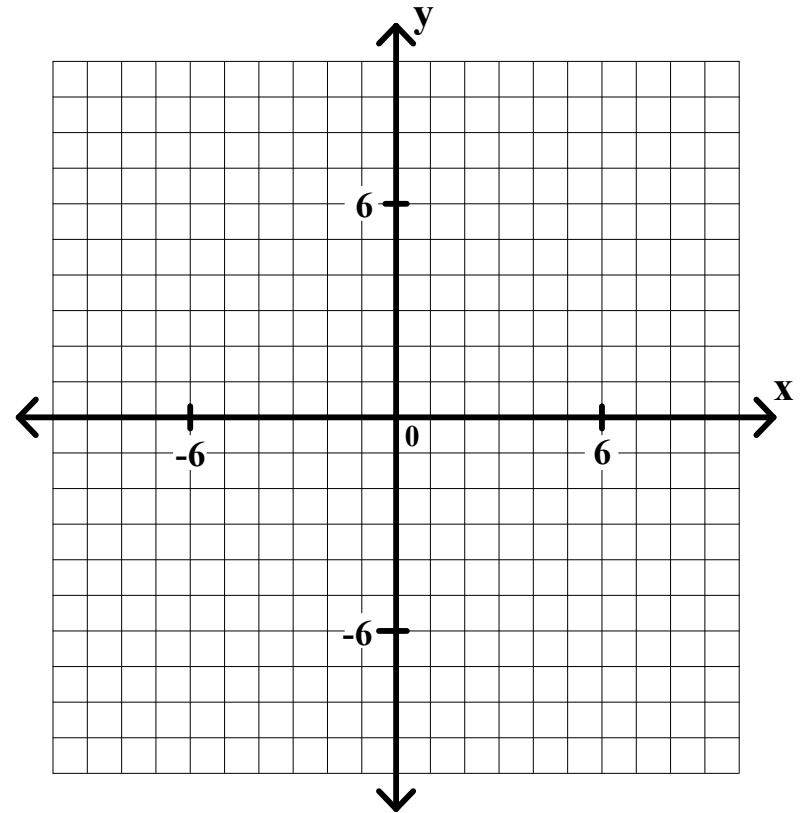
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

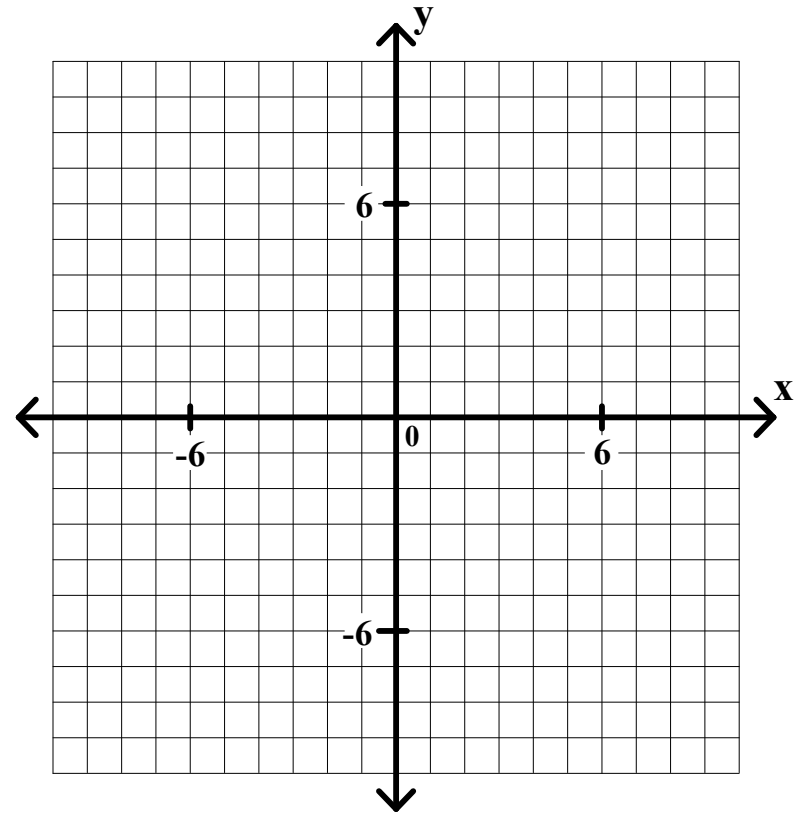
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

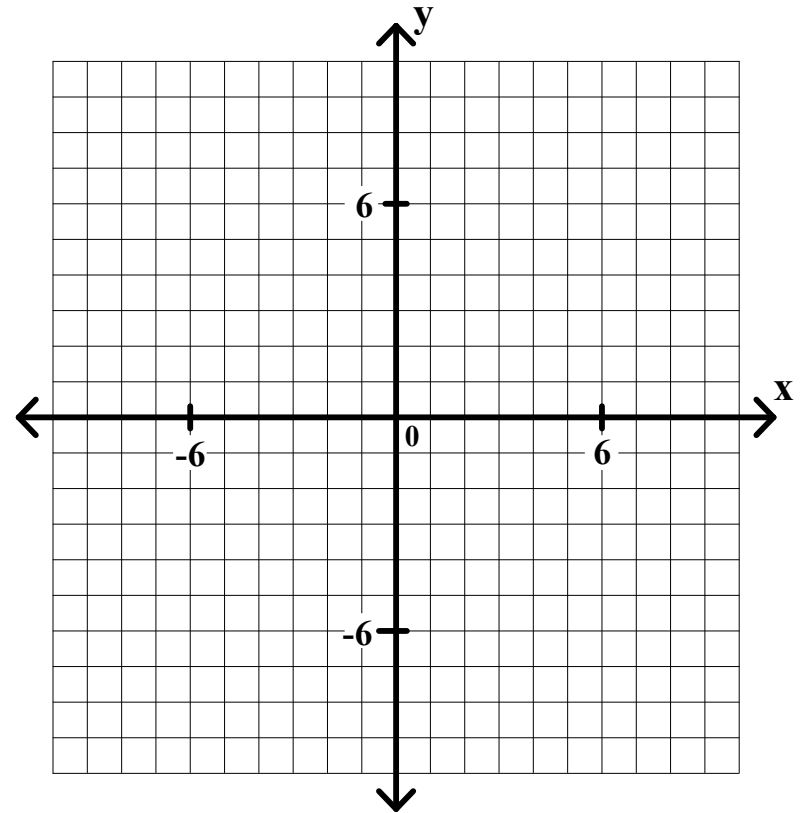
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x -$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

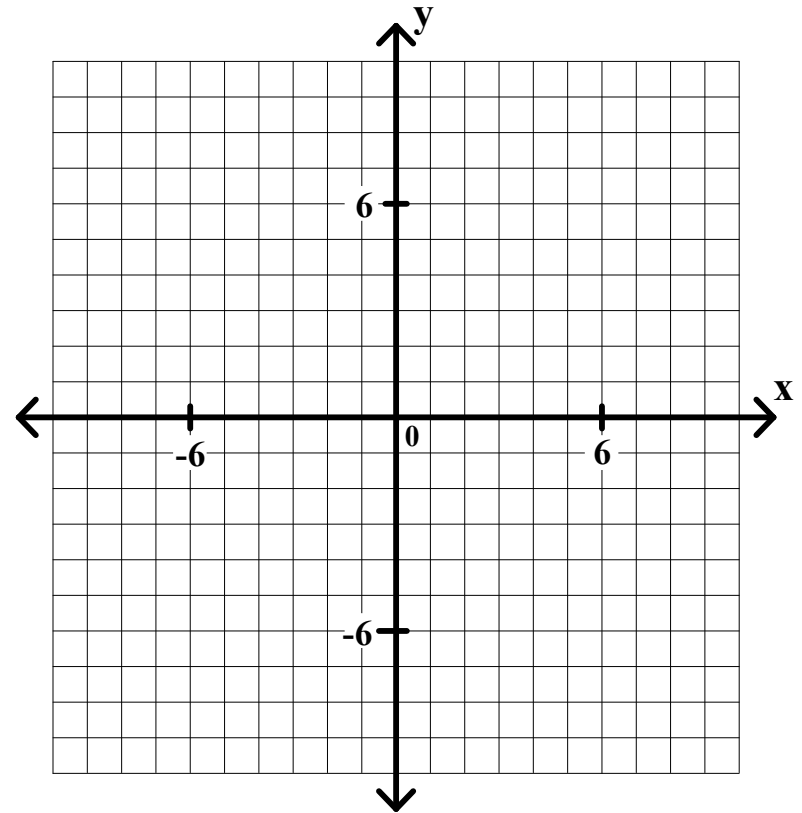
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

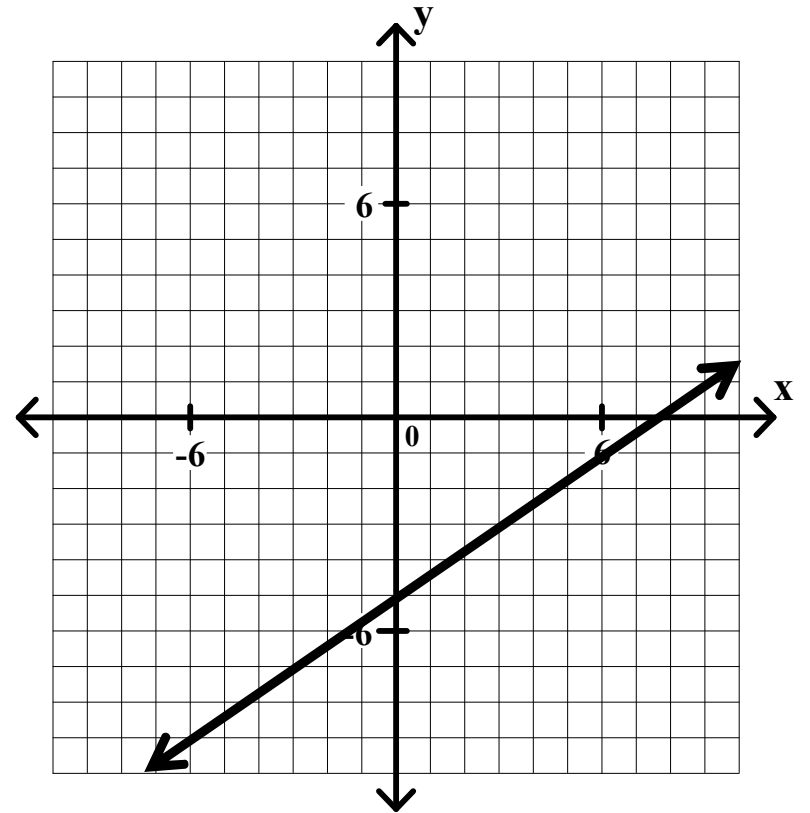
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq \left(\frac{2}{3}\right)x - 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

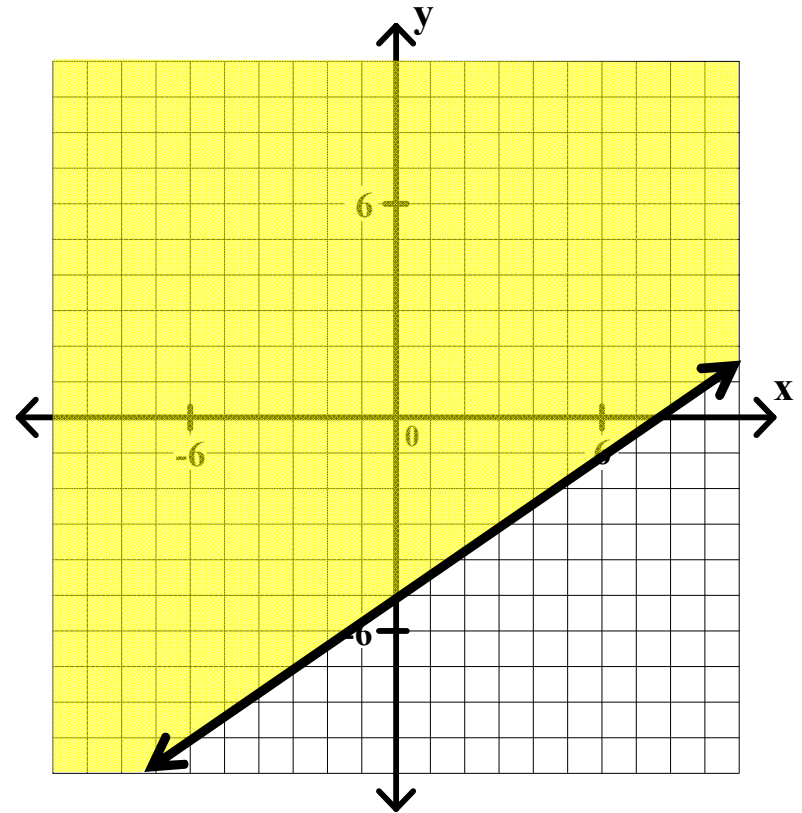
$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$2x + y \leq 11$

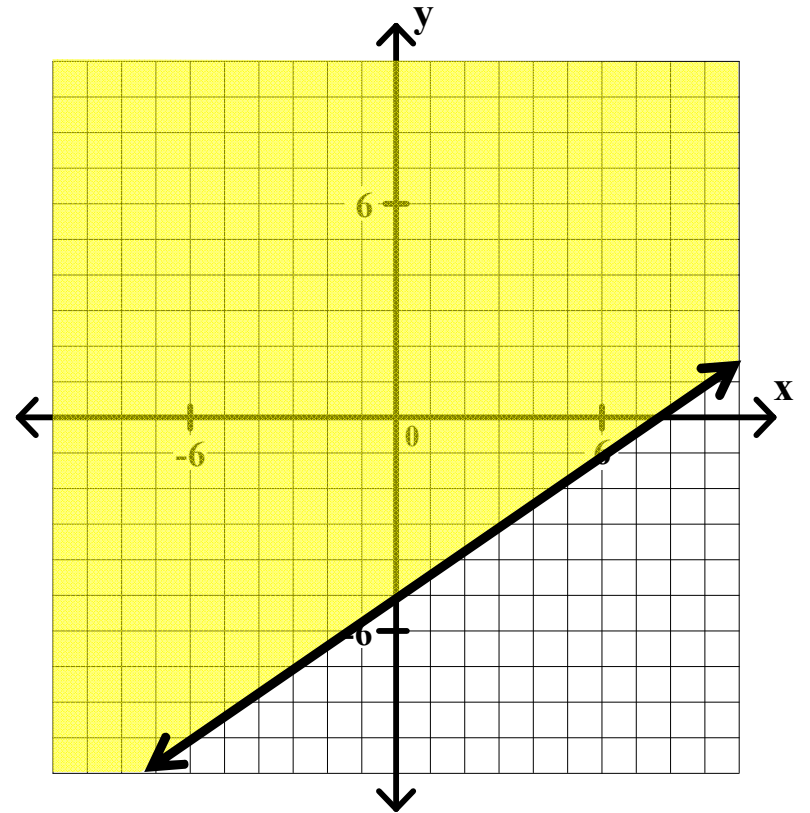
$x + 3y \leq 18$

$-4x + 3y \leq 33$

$x + y \geq -10$

$-3y \leq -2x + 15$

$y \geq (2/3)x - 5$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

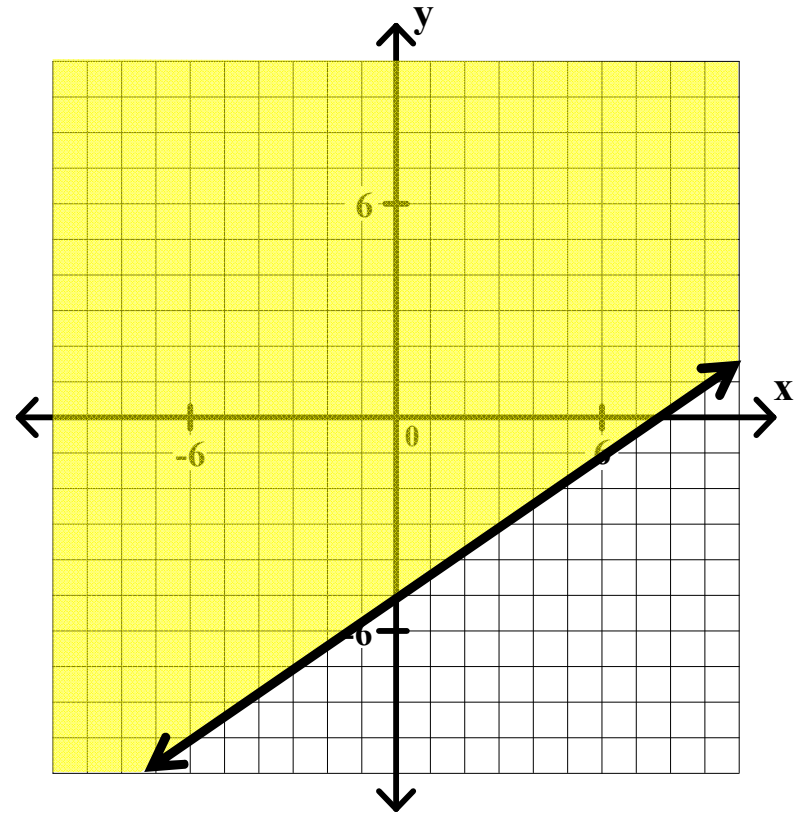
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

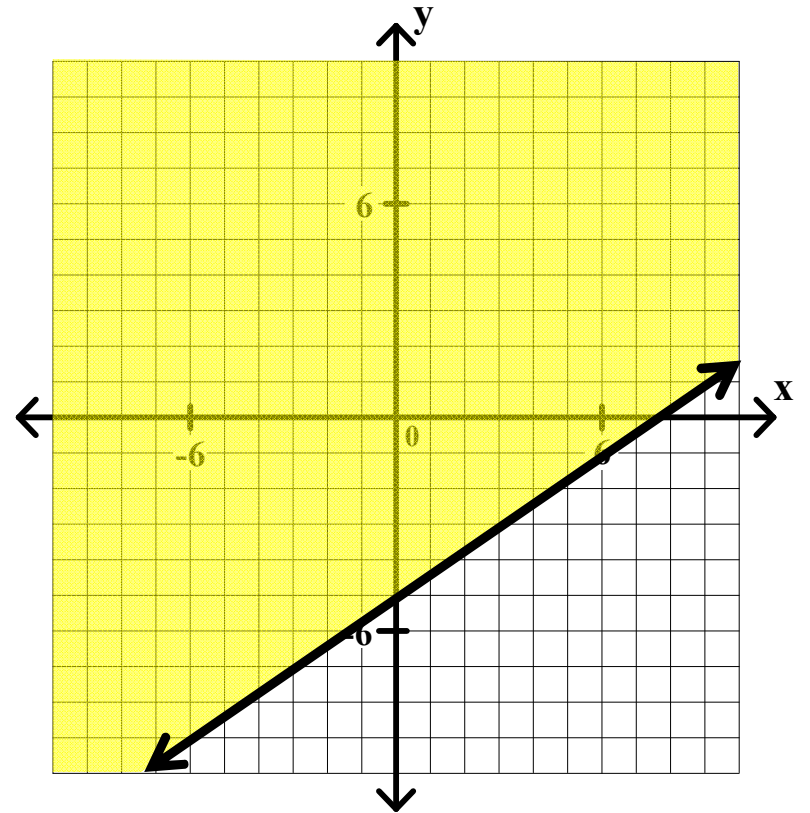
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

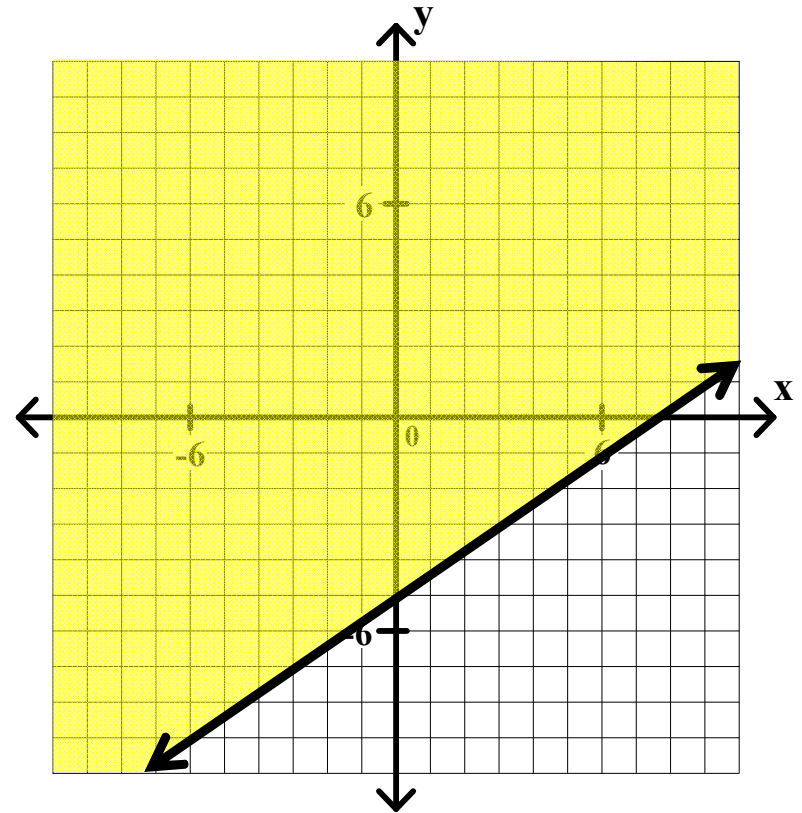
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

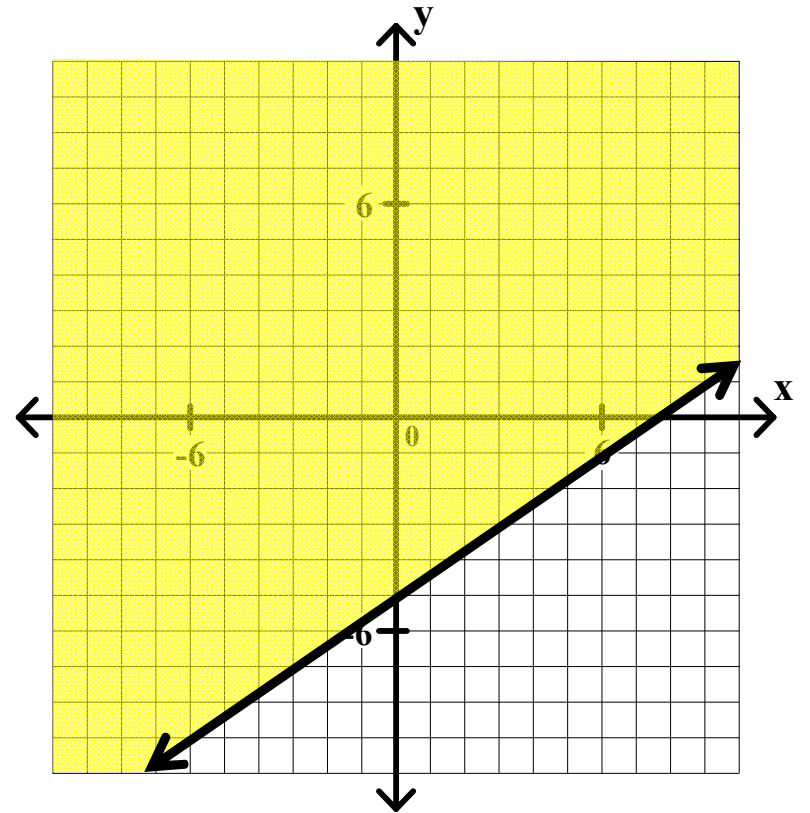
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

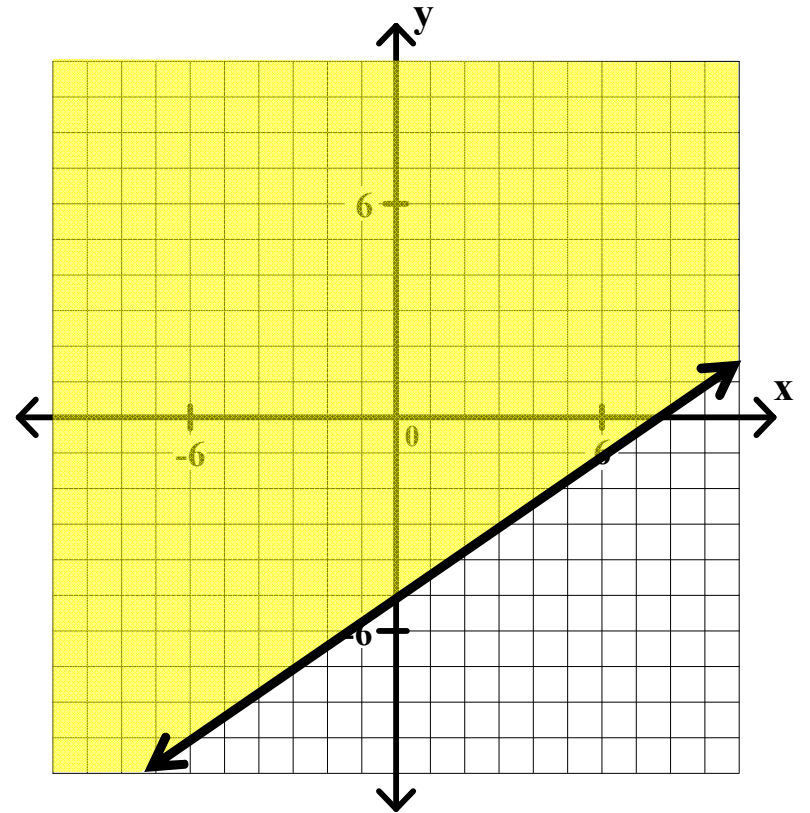
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$2x + y \leq 11$

$x + 3y \leq 18$

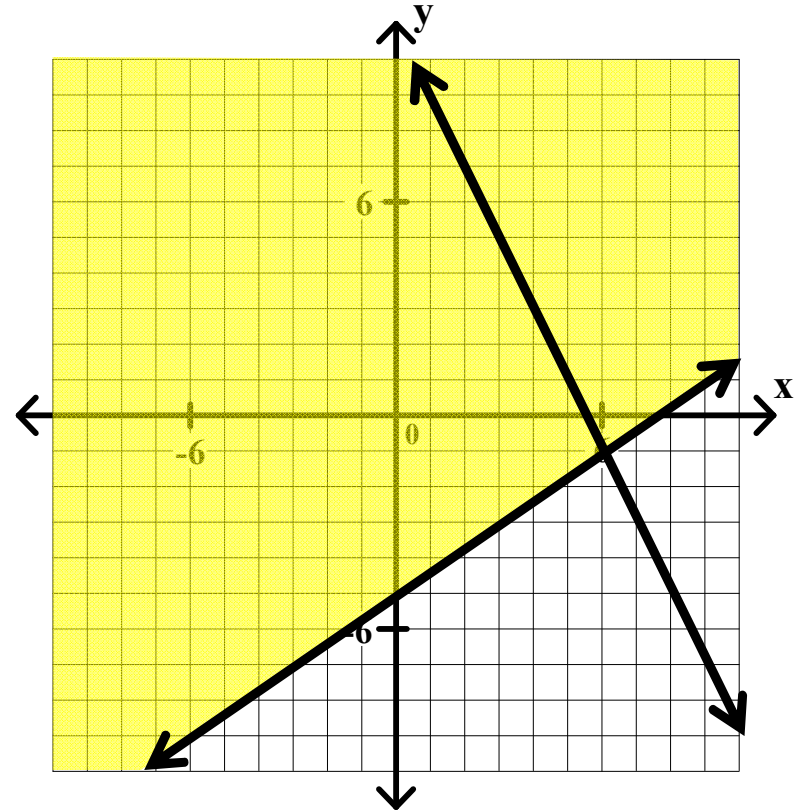
$-4x + 3y \leq 33$

$x + y \geq -10$

$-3y \leq -2x + 15$

$y \geq (2/3)x - 5$

$y \leq -2x + 11$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

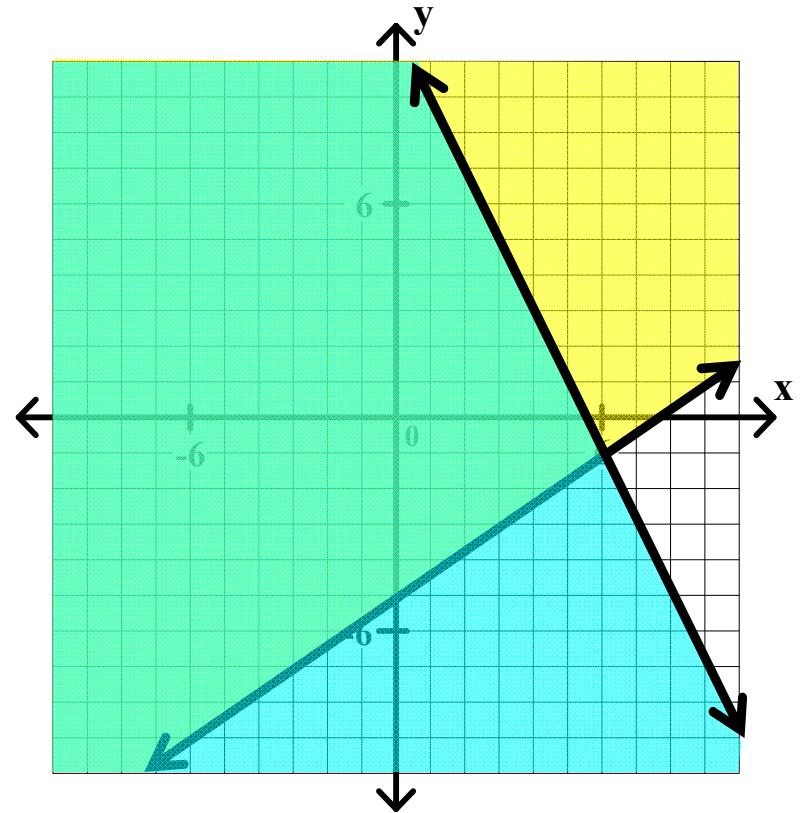
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

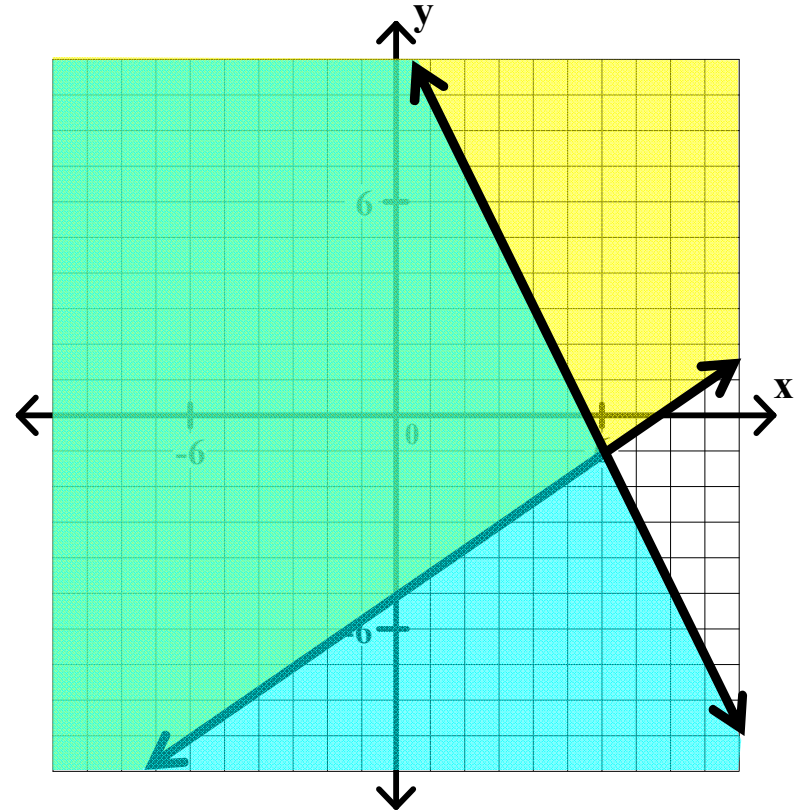
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

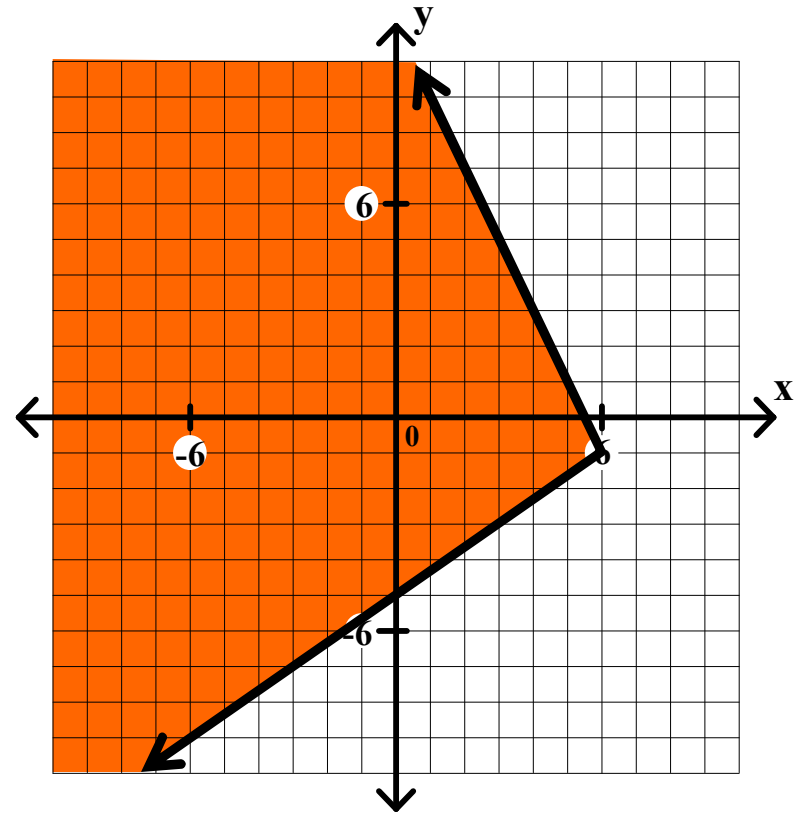
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

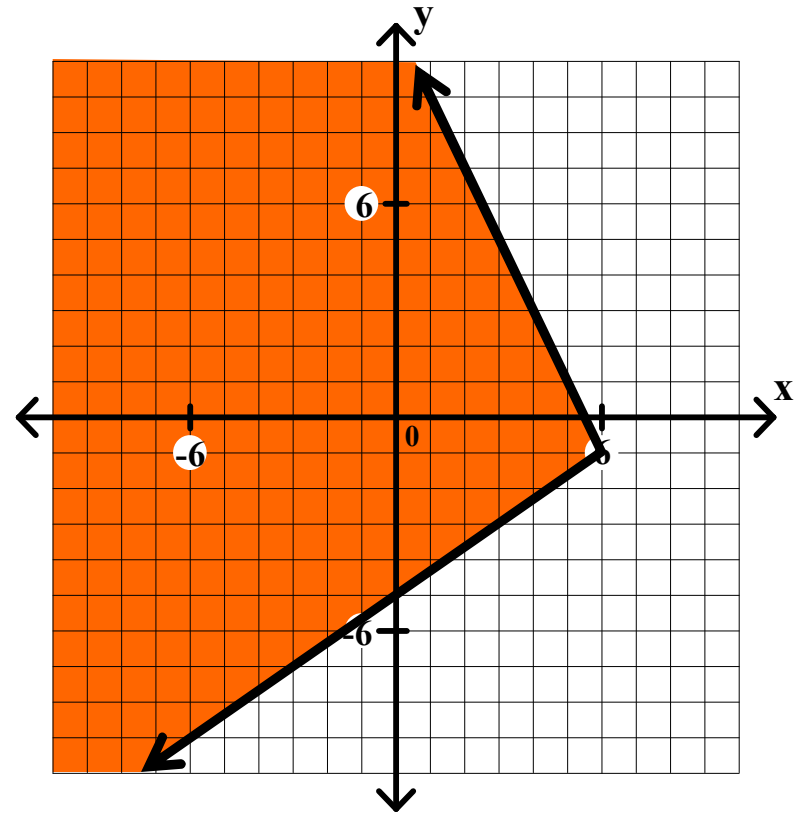
$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

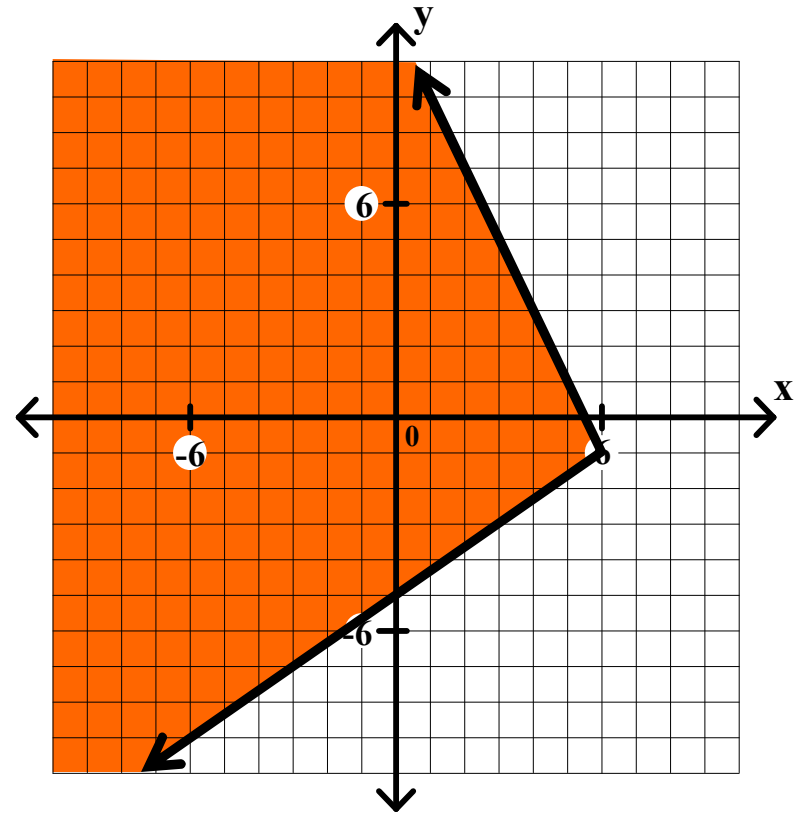
$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

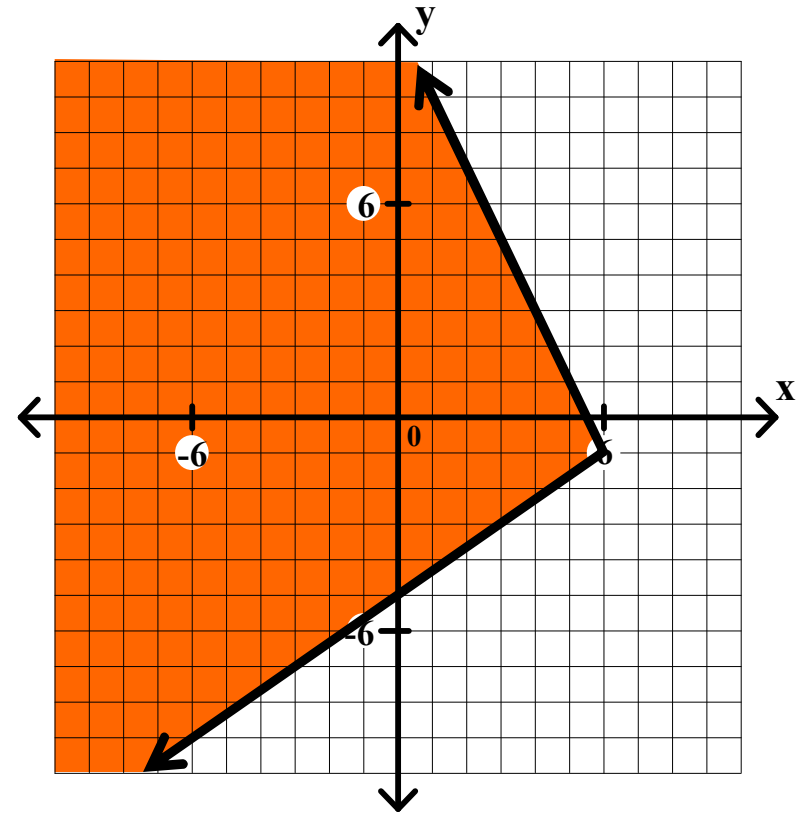
$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

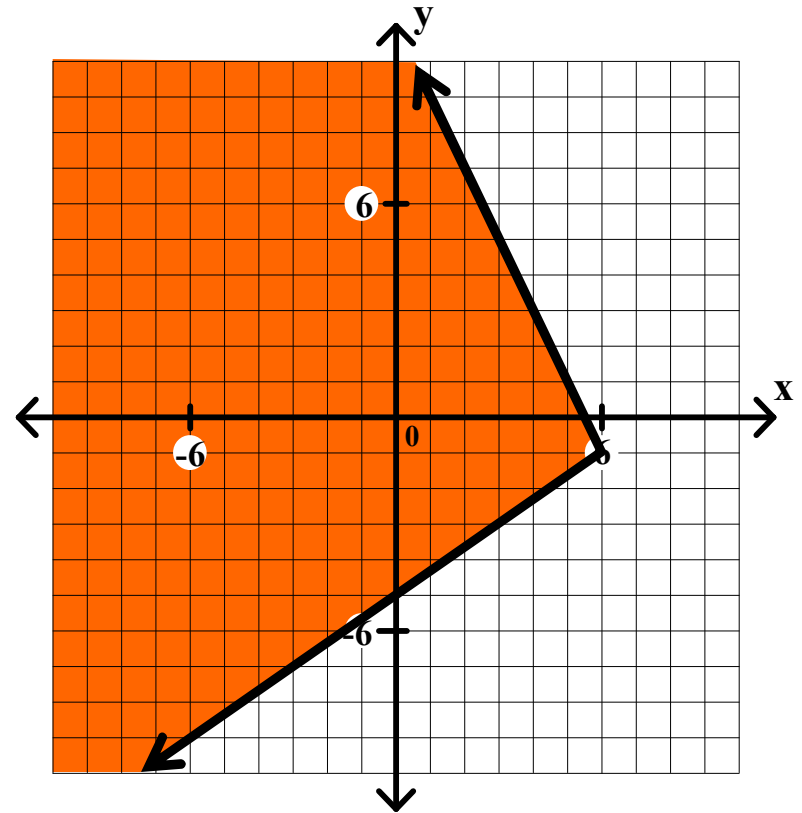
$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

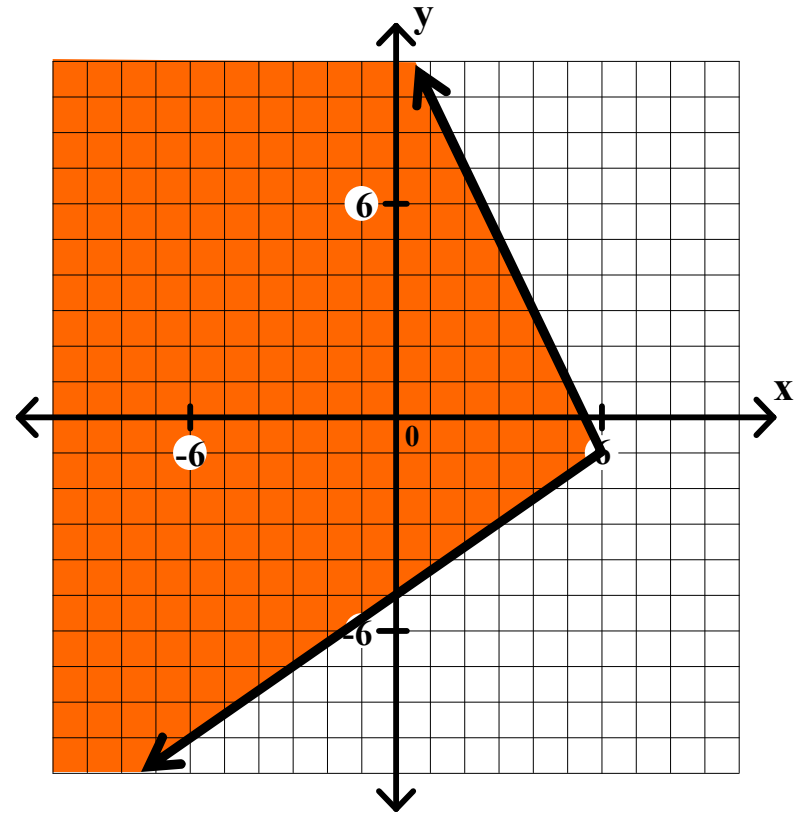
$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

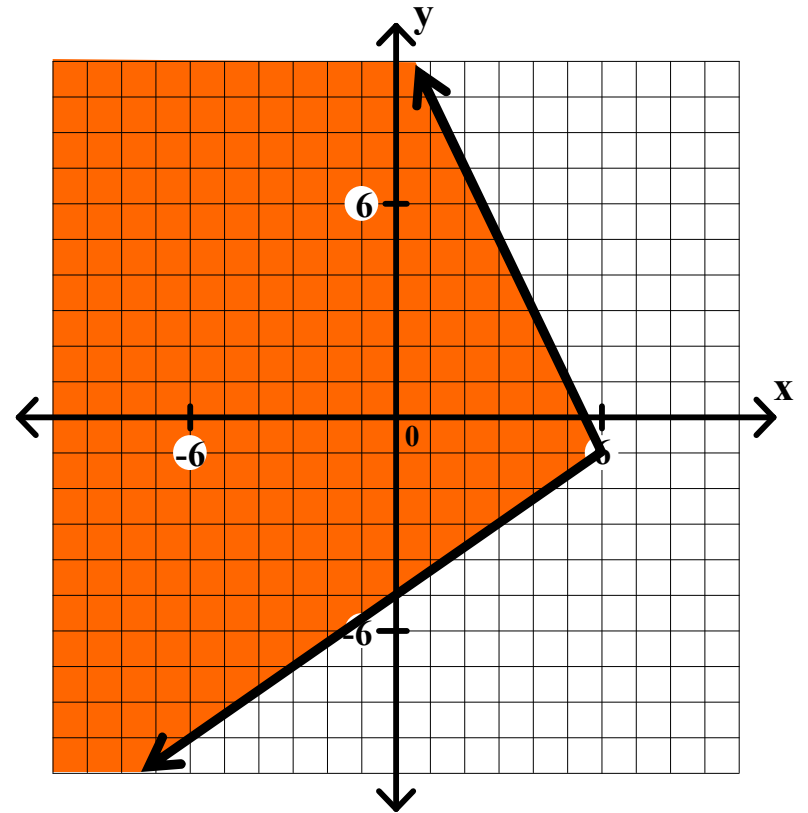
$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

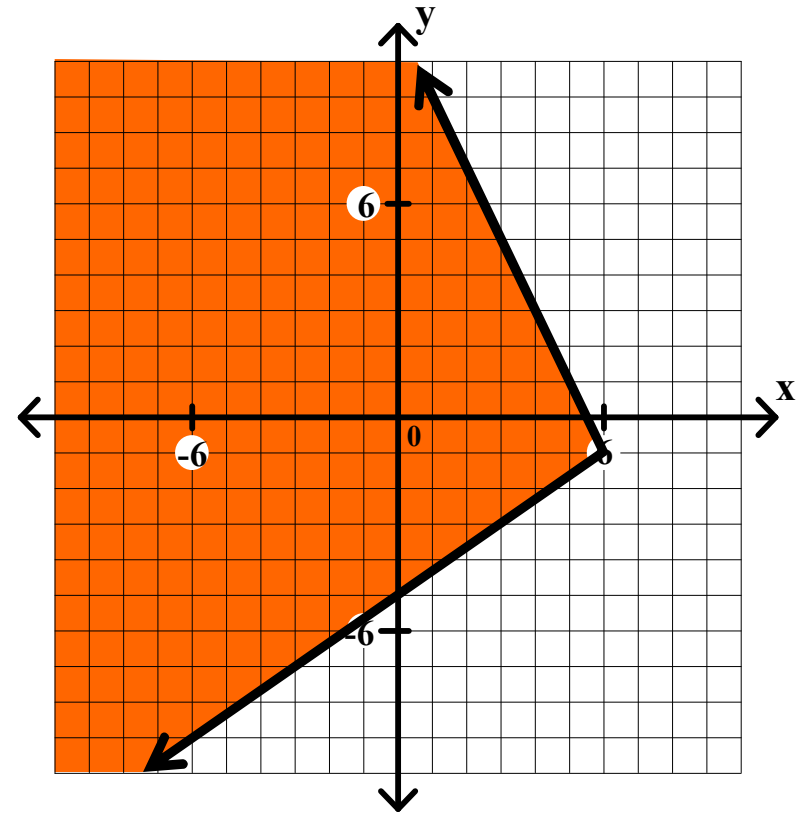
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

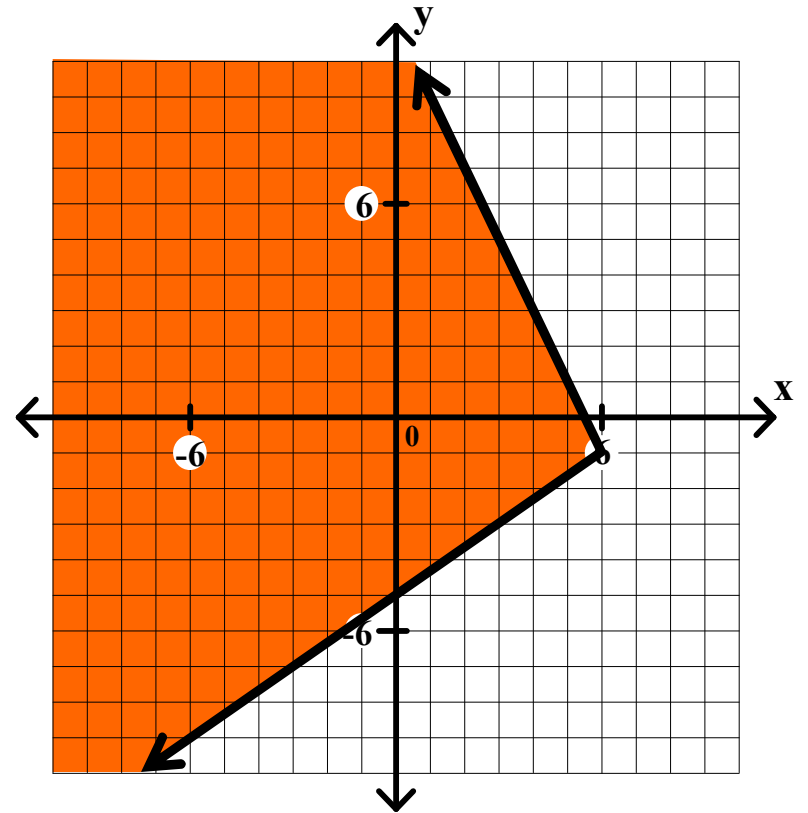
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

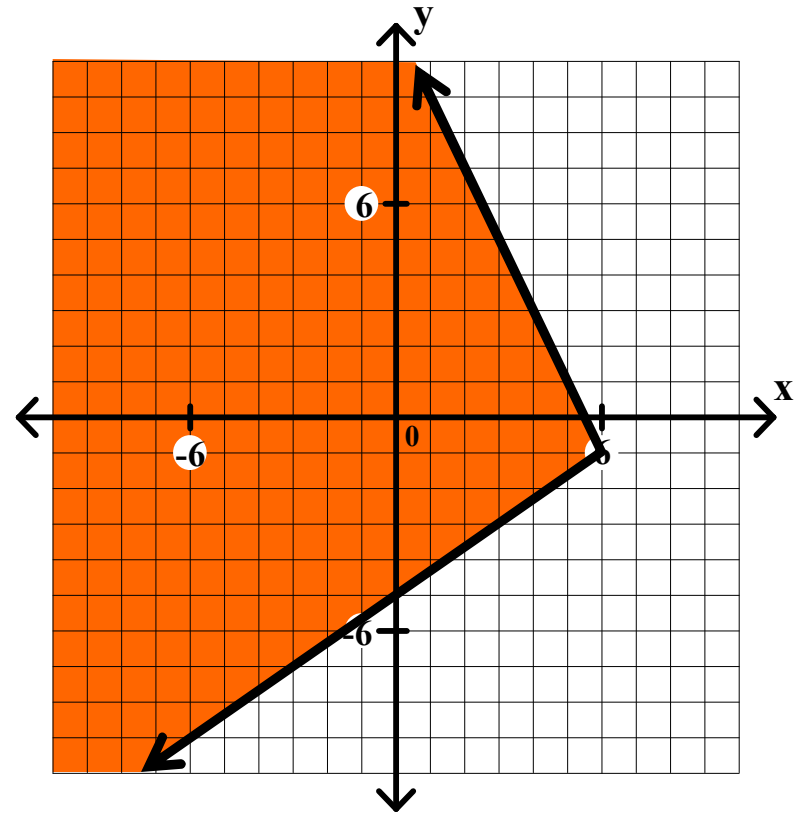
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

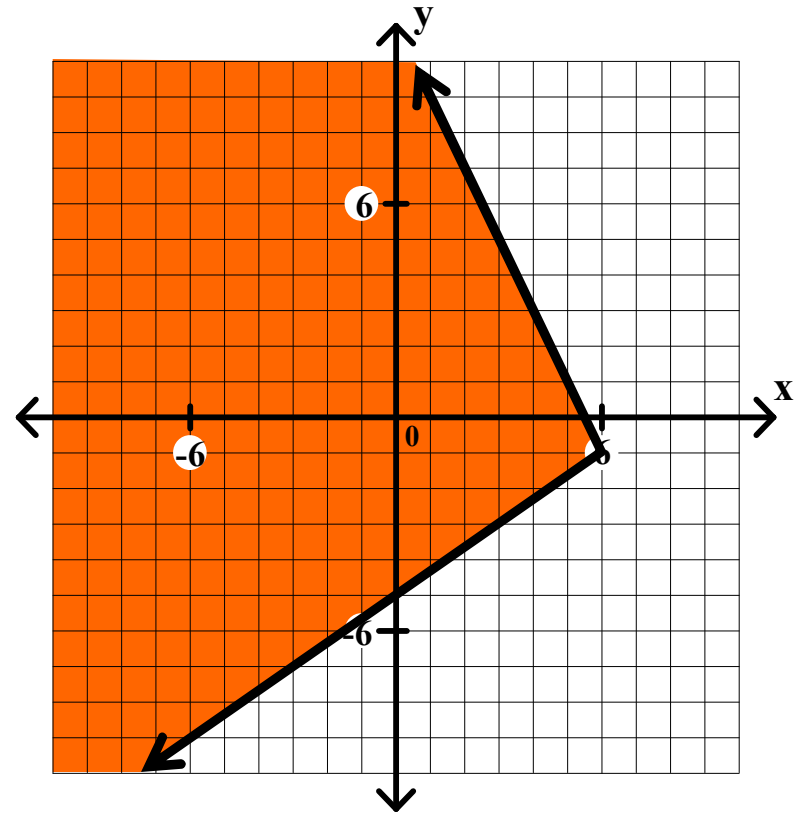
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

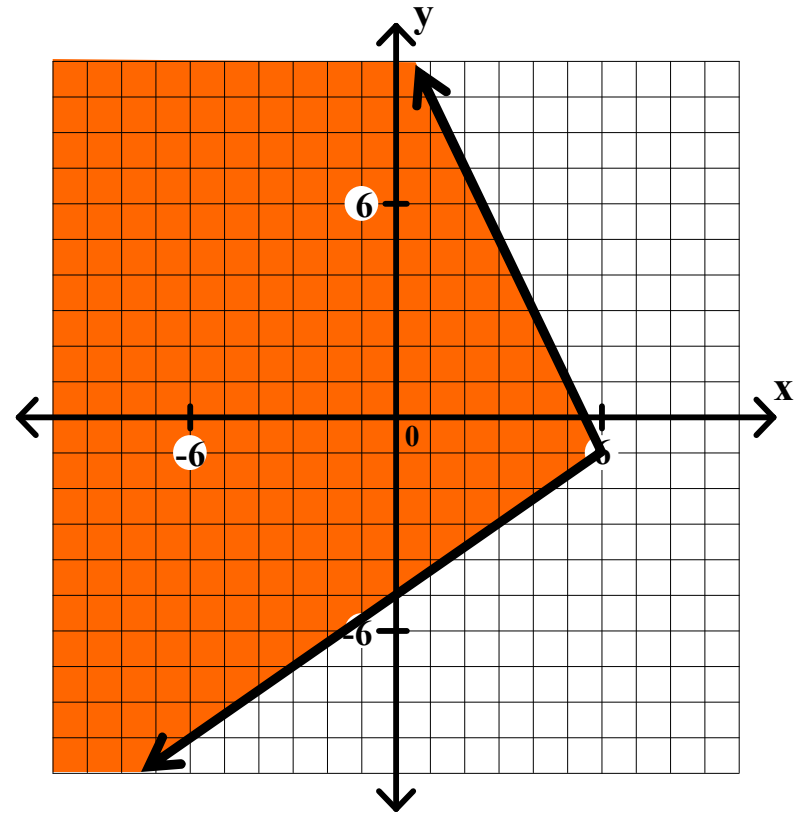
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

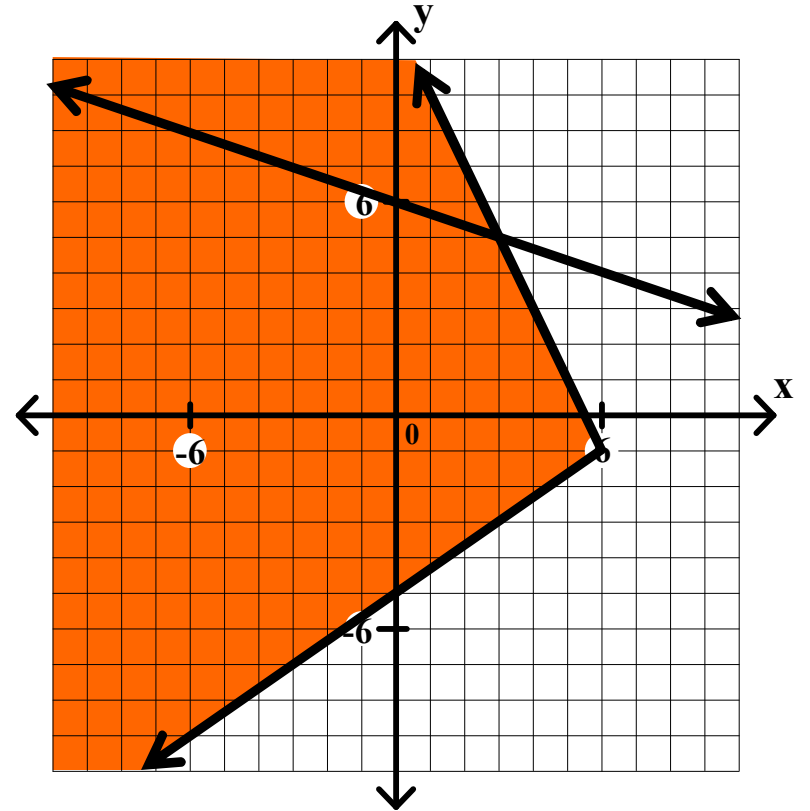
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

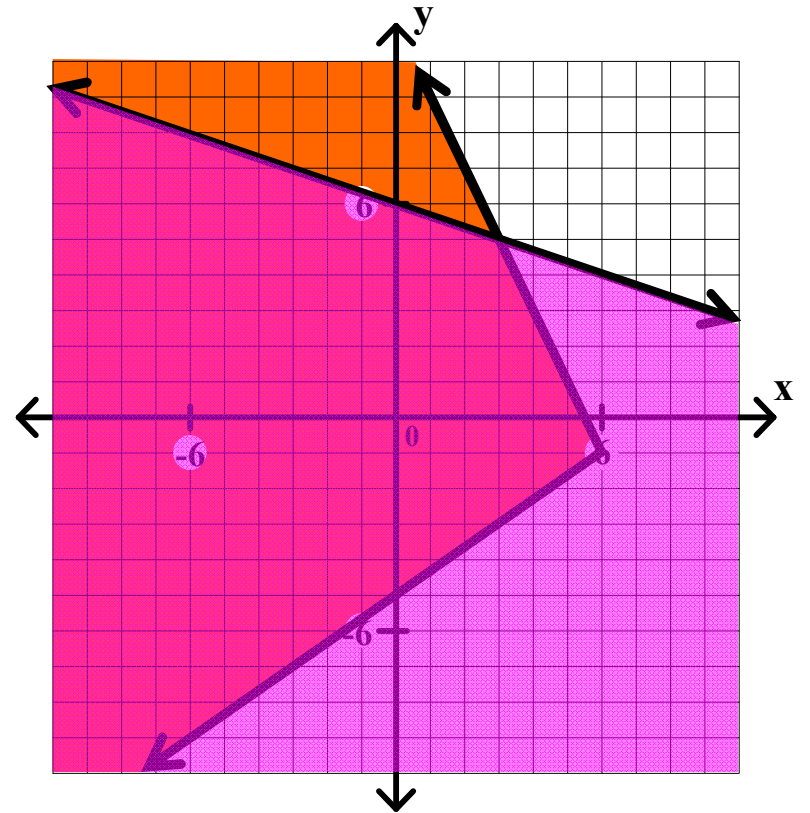
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

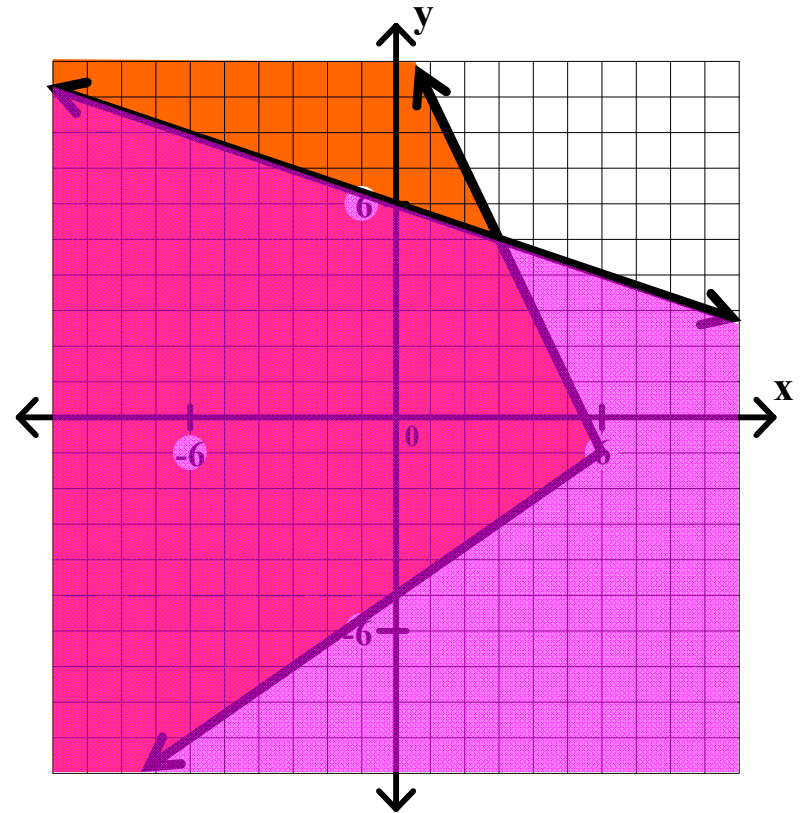
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

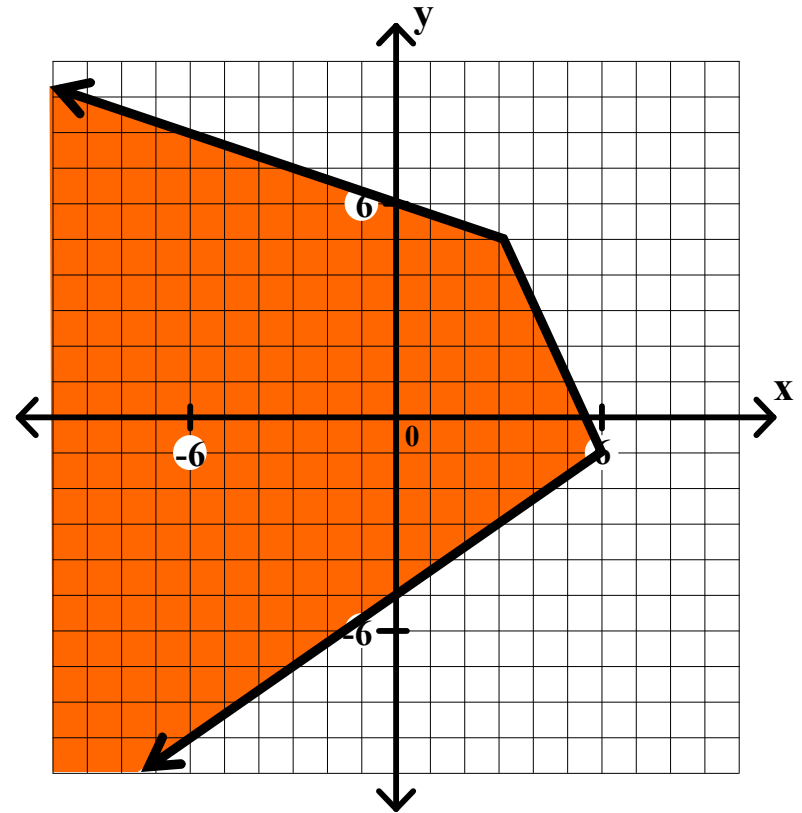
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

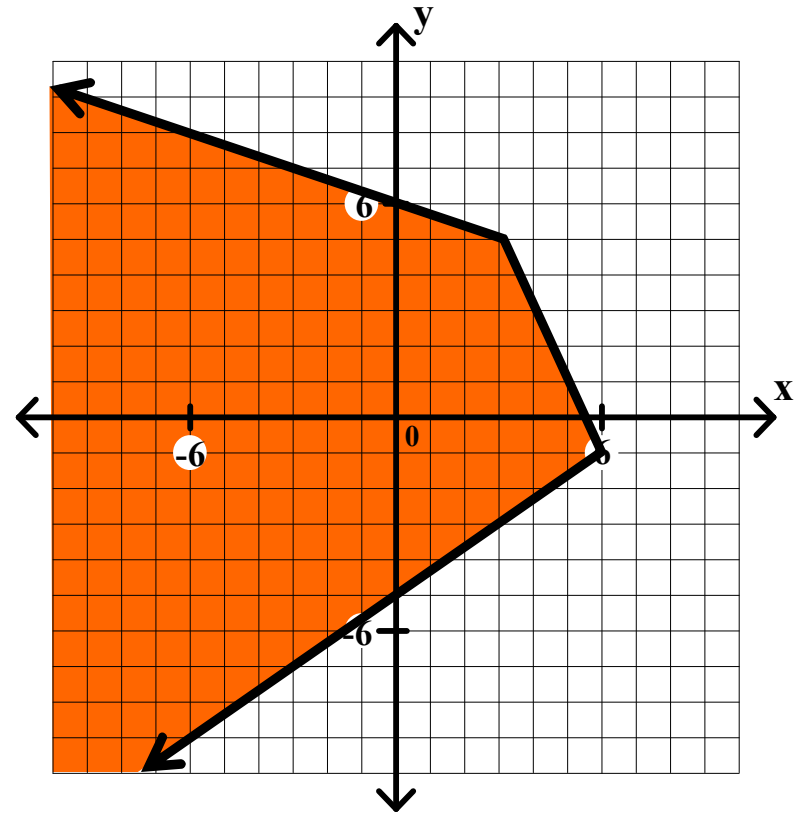
$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

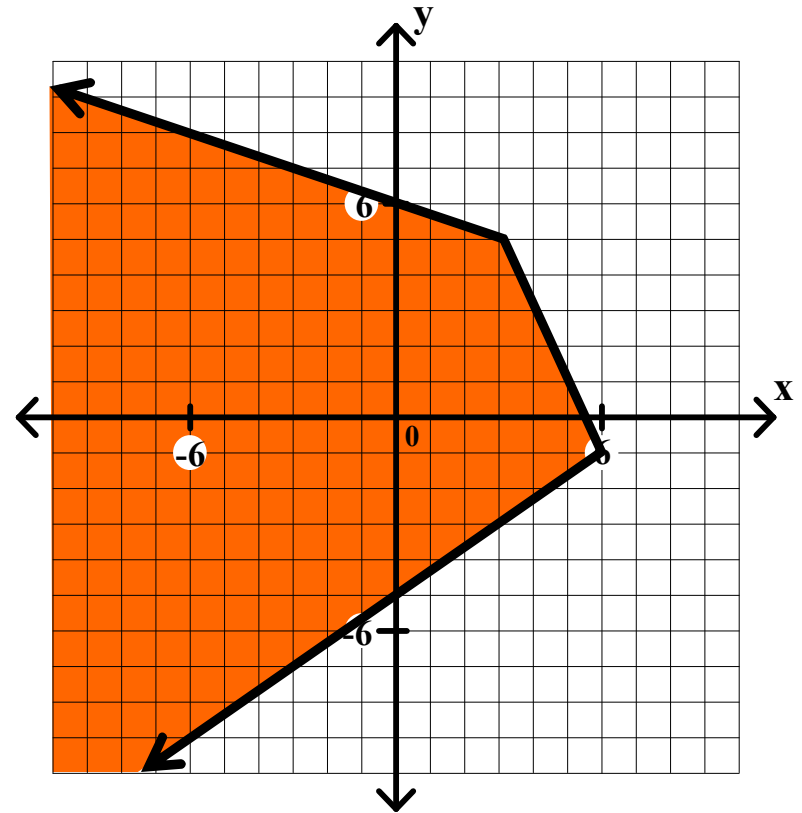
$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

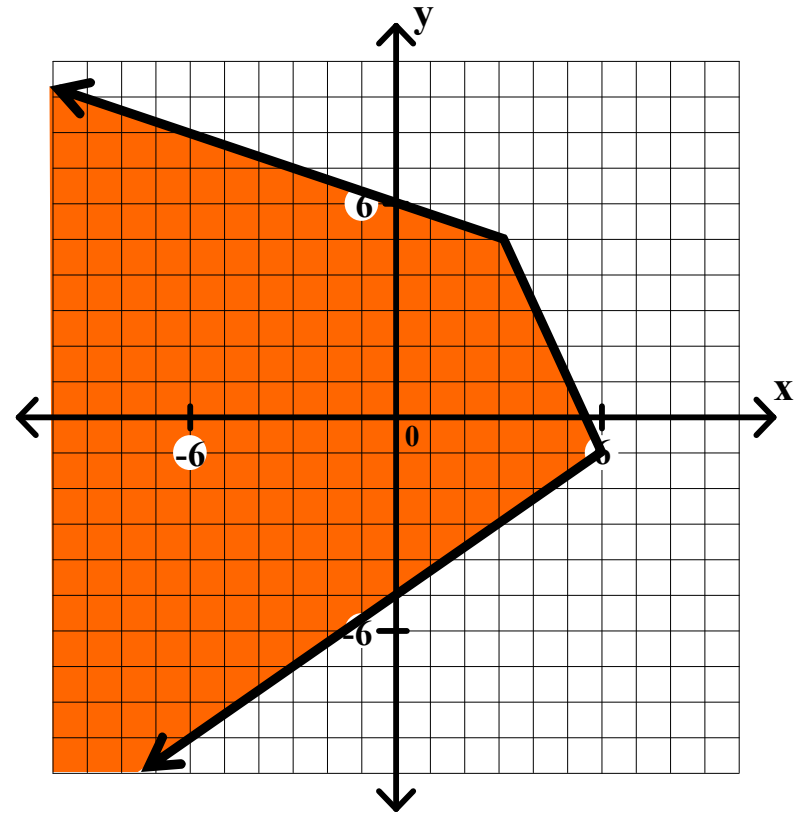
$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

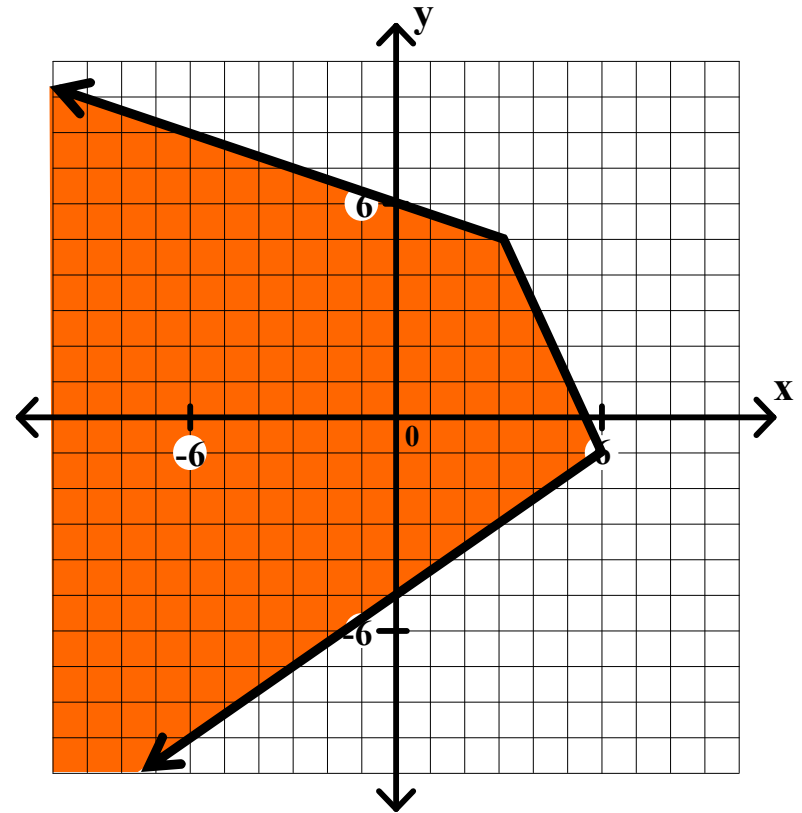
$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

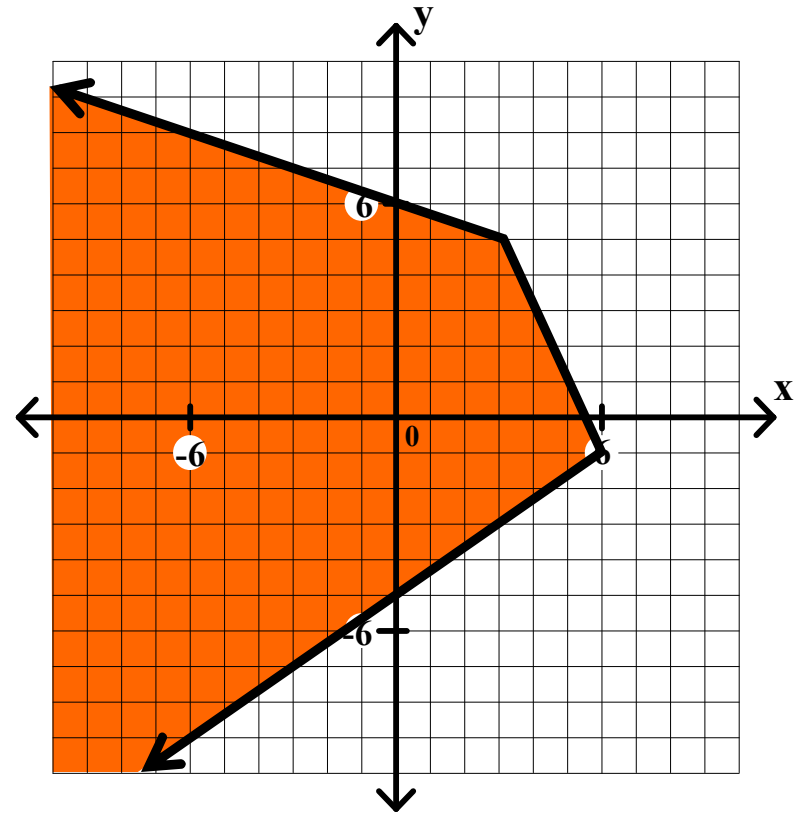
$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

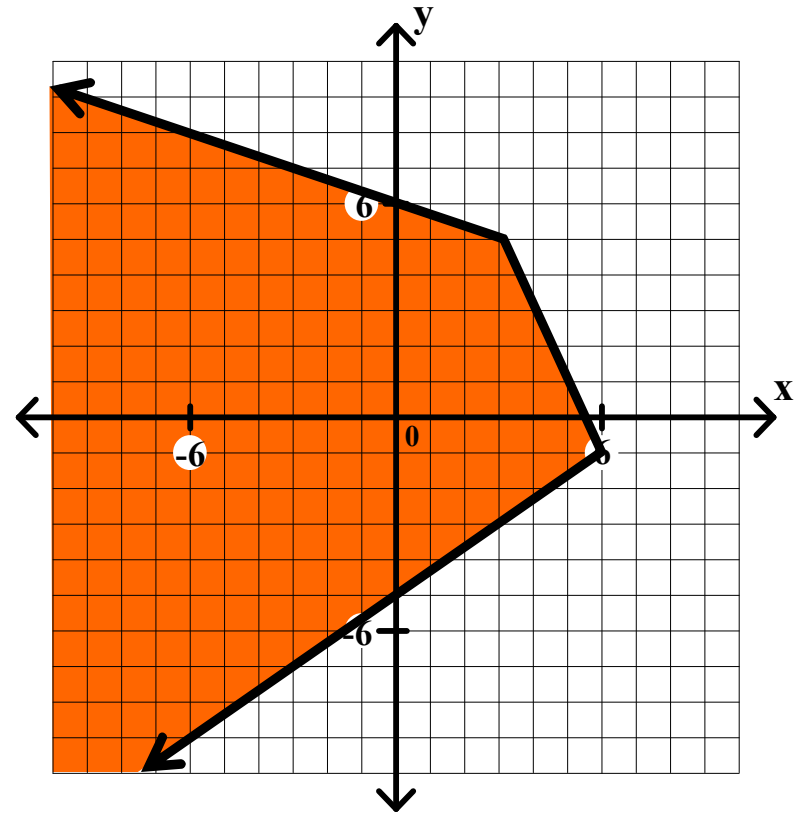
$$y \geq (2/3)x - 5$$

$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

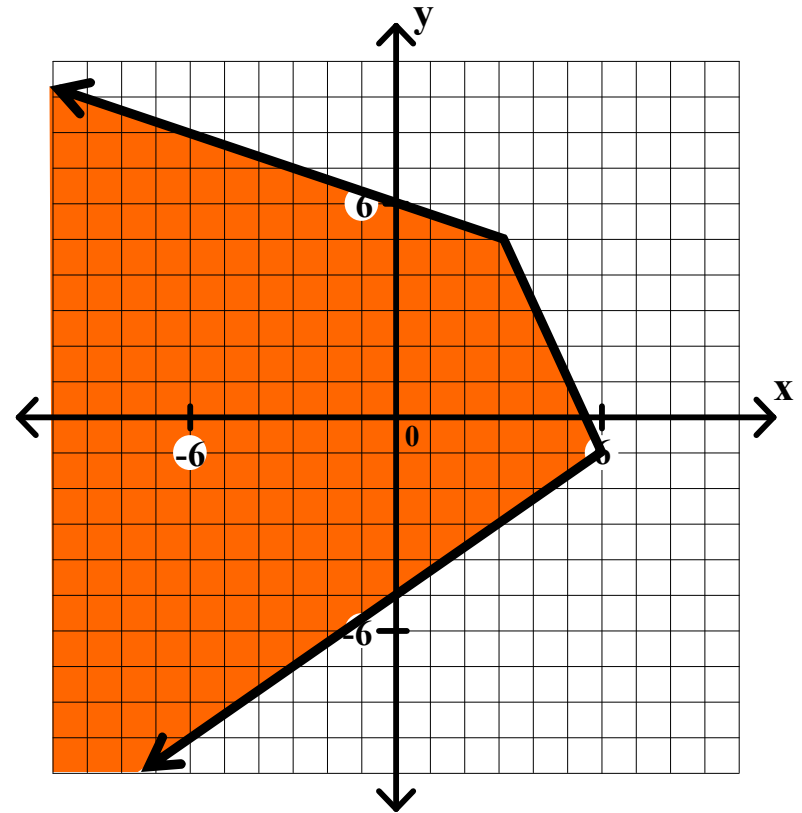
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

y



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

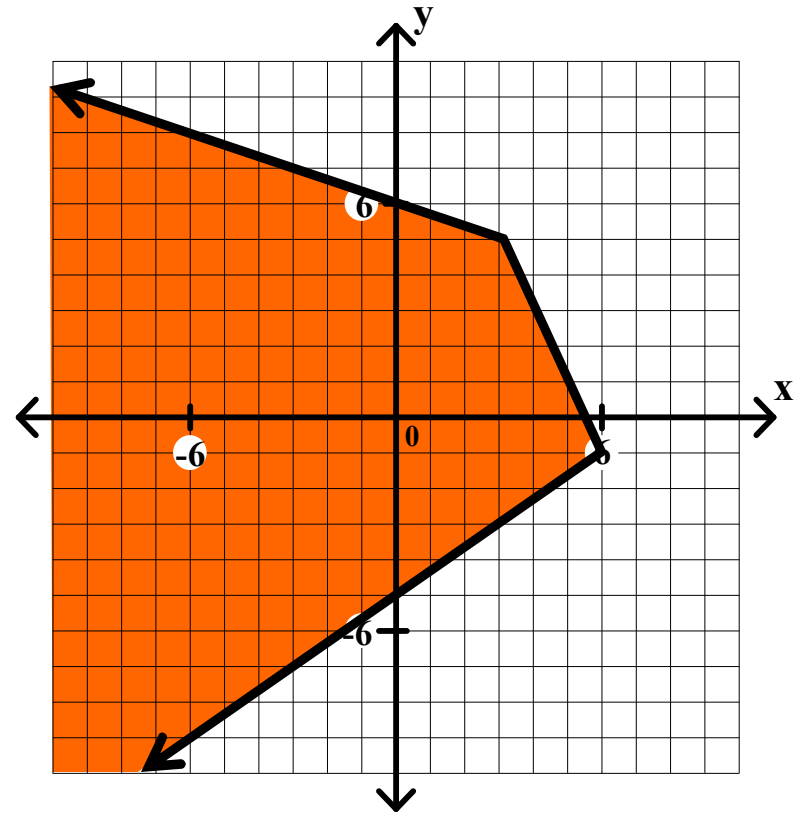
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

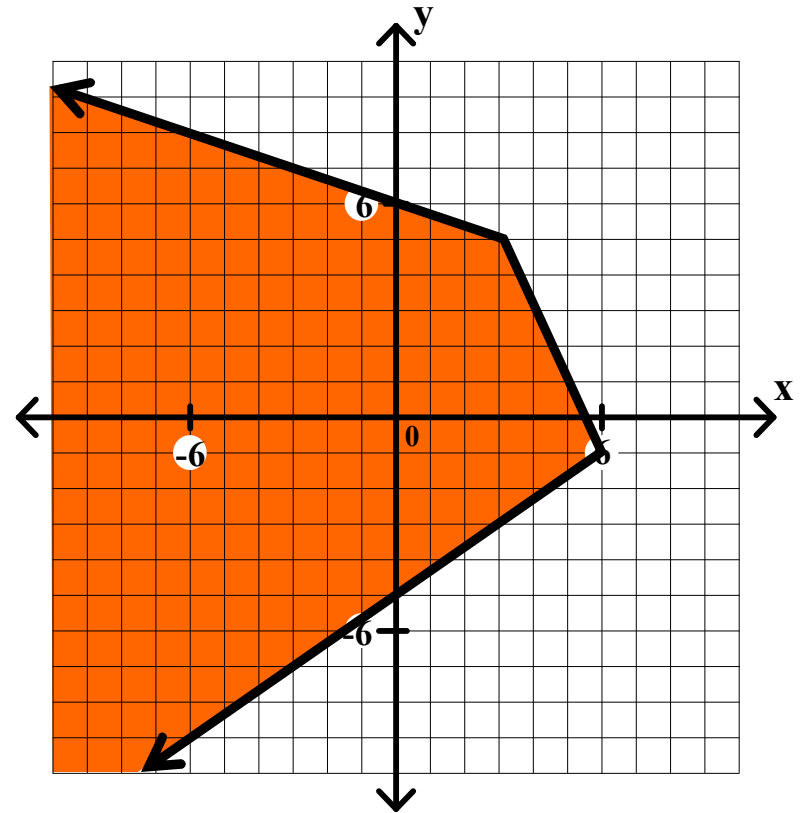
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

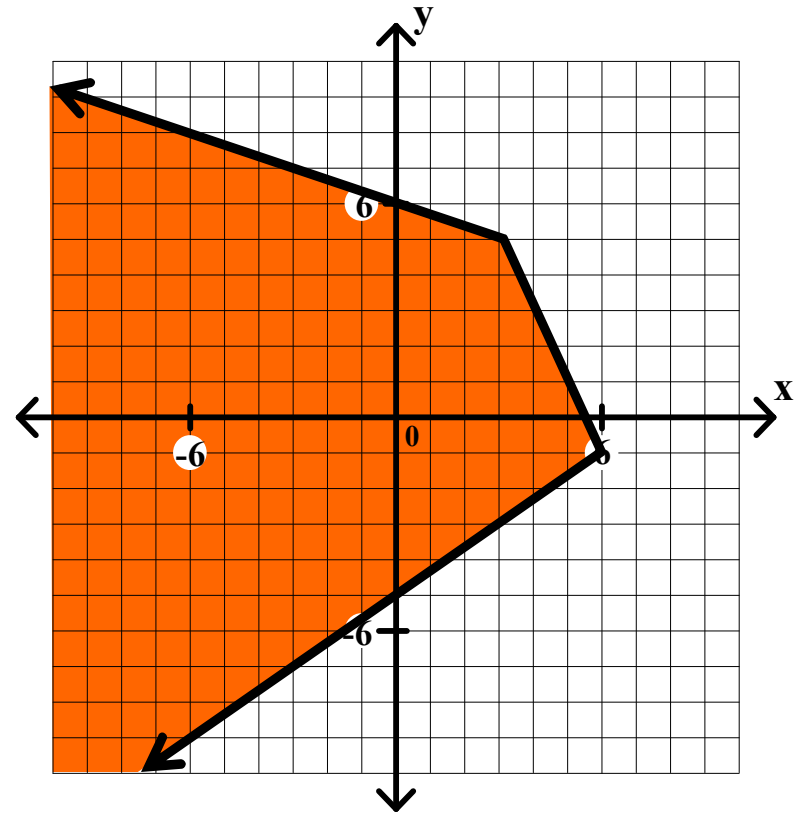
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x +$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

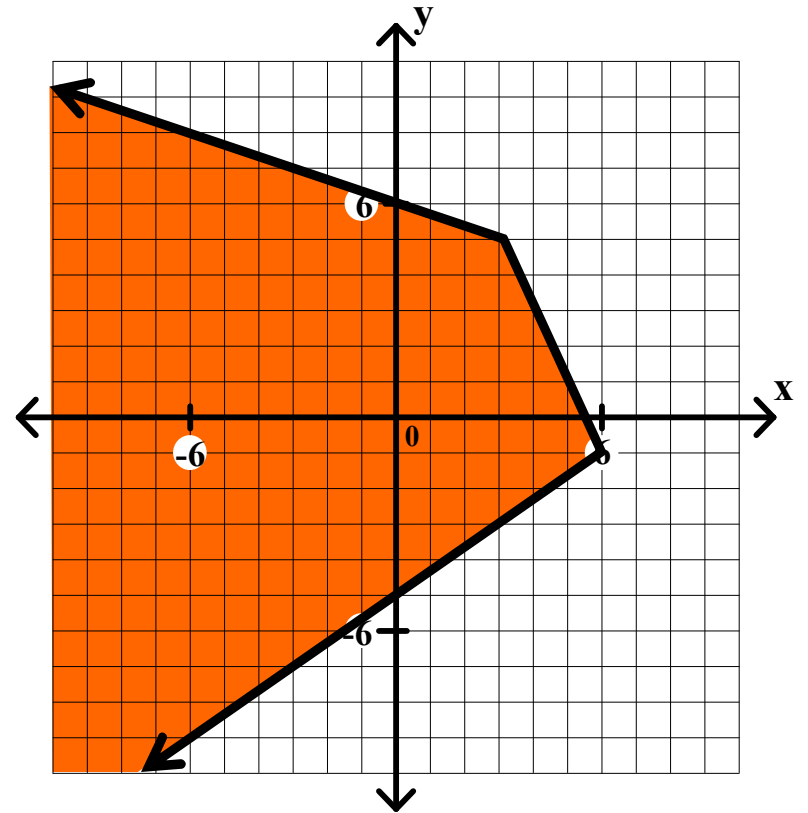
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

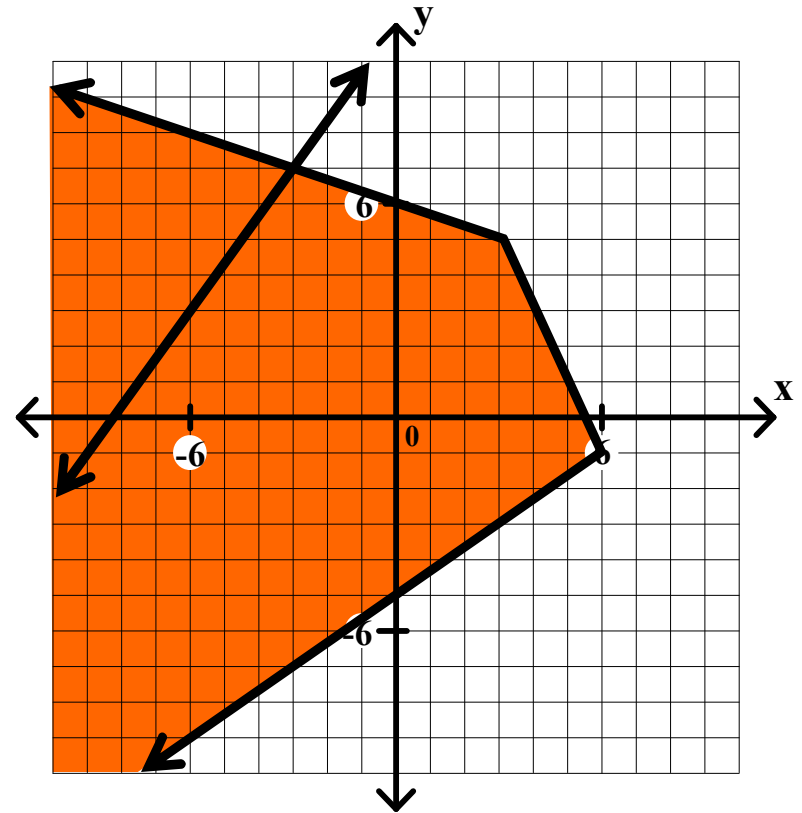
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

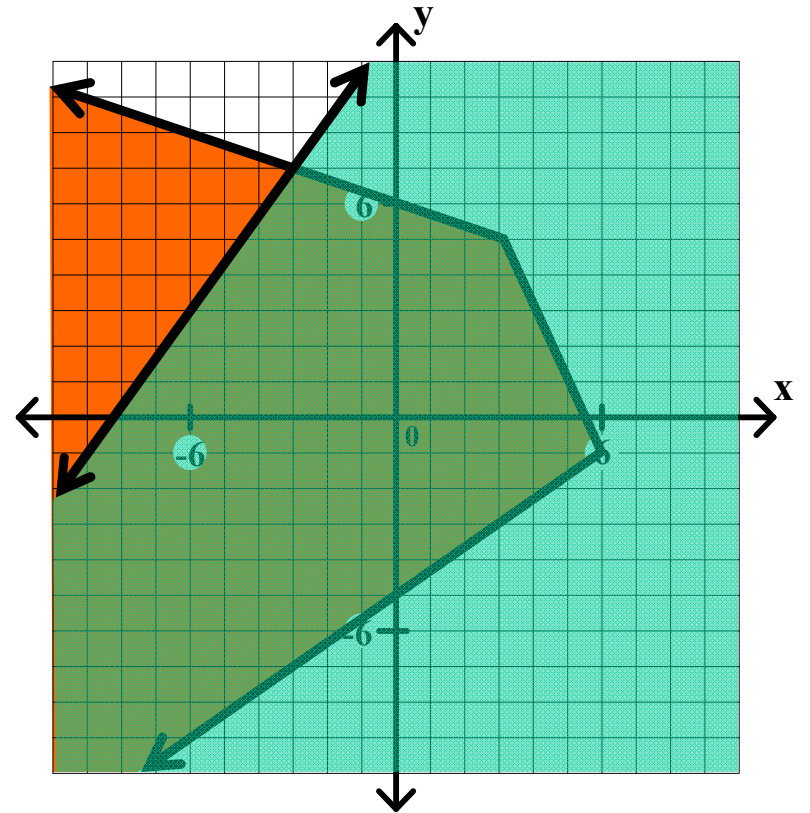
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

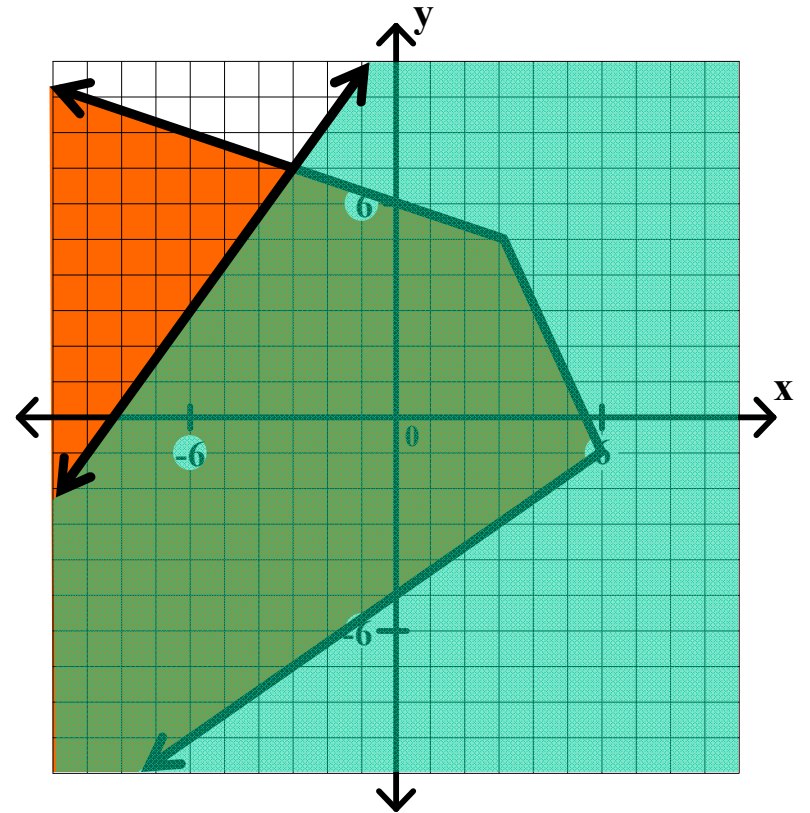
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

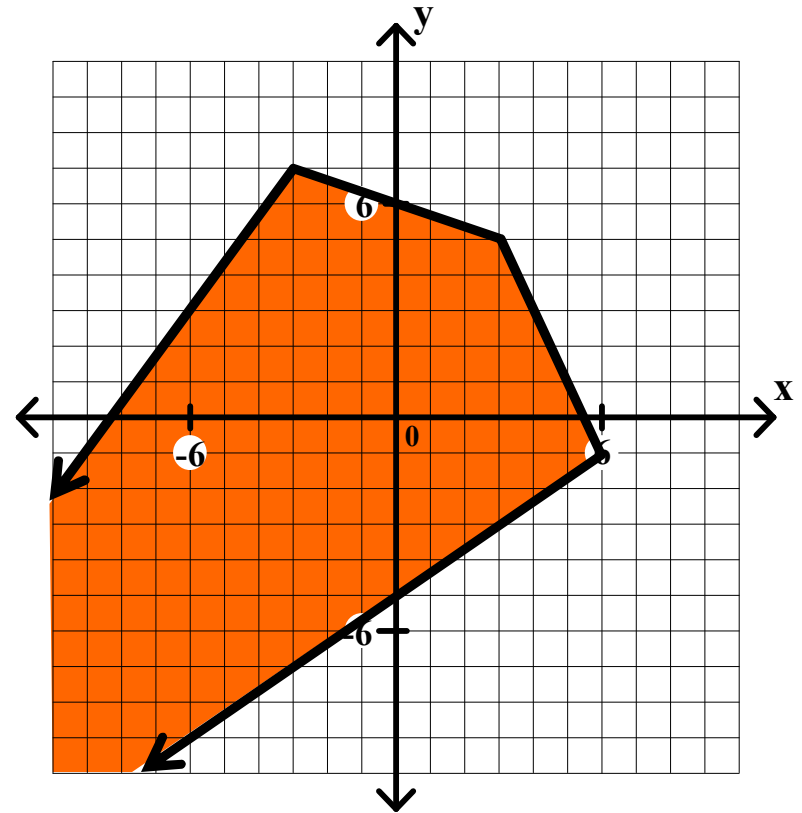
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

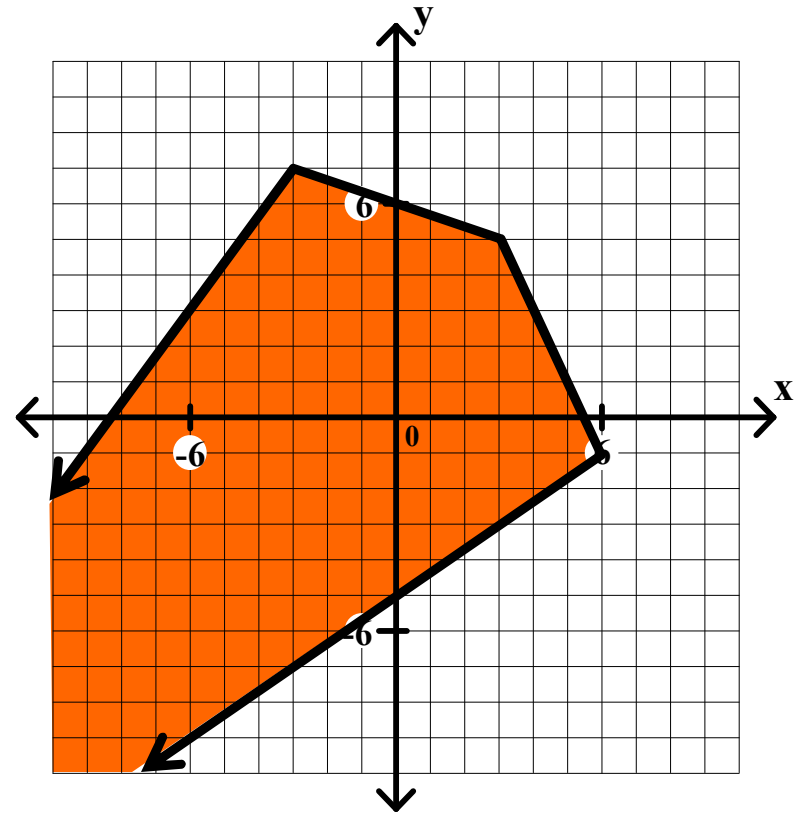
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

y

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

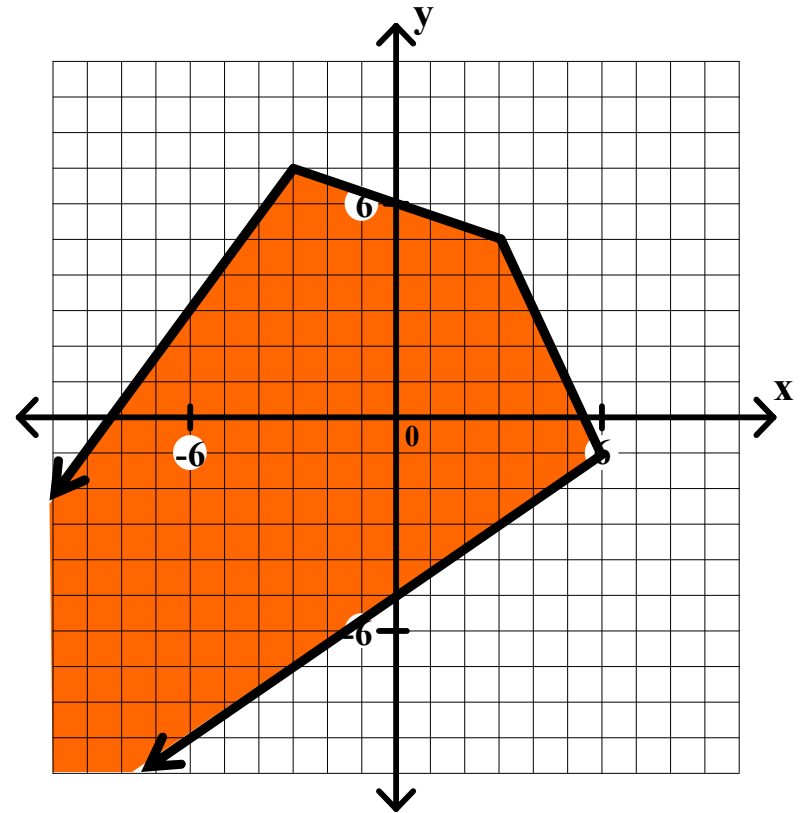
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

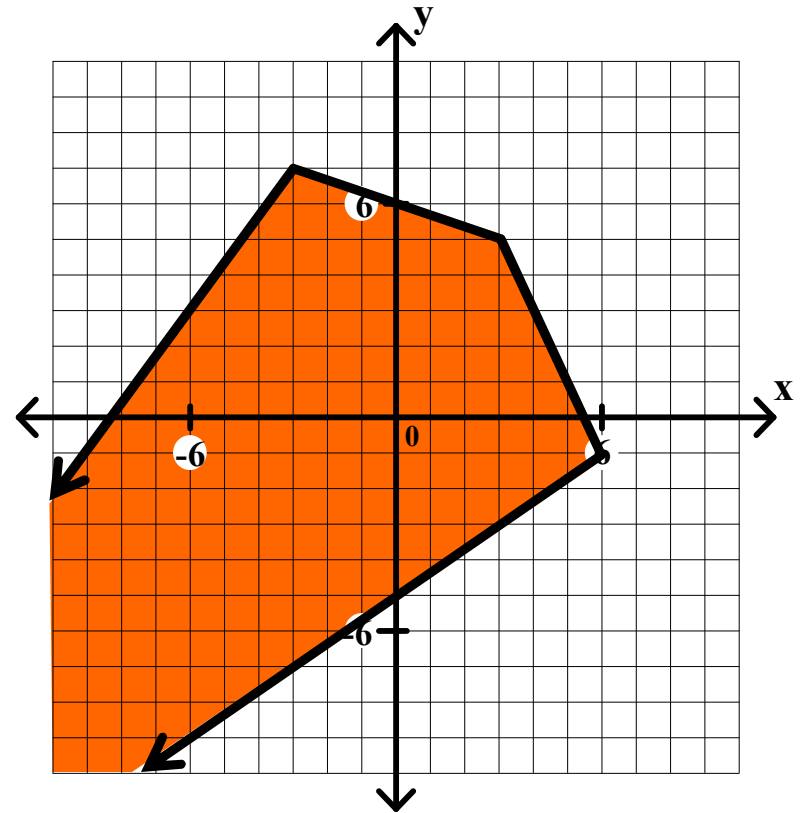
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

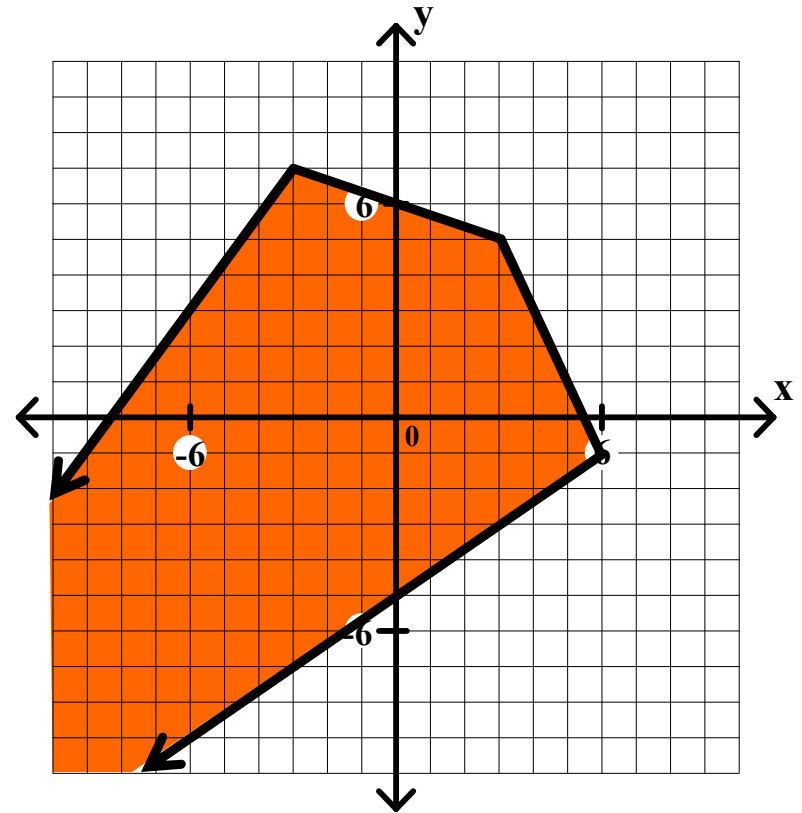
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x -$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

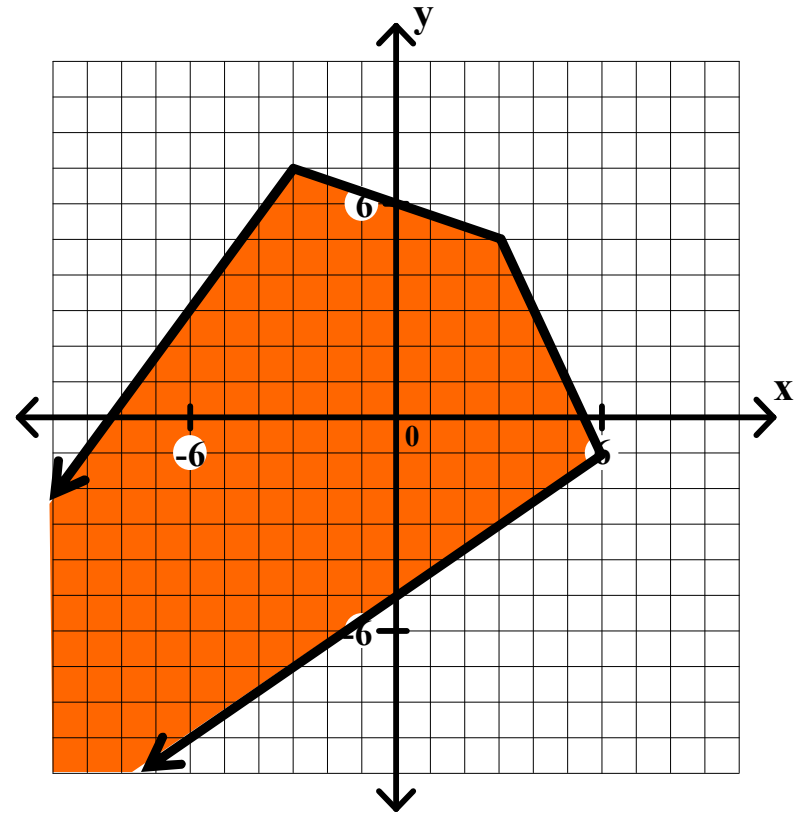
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

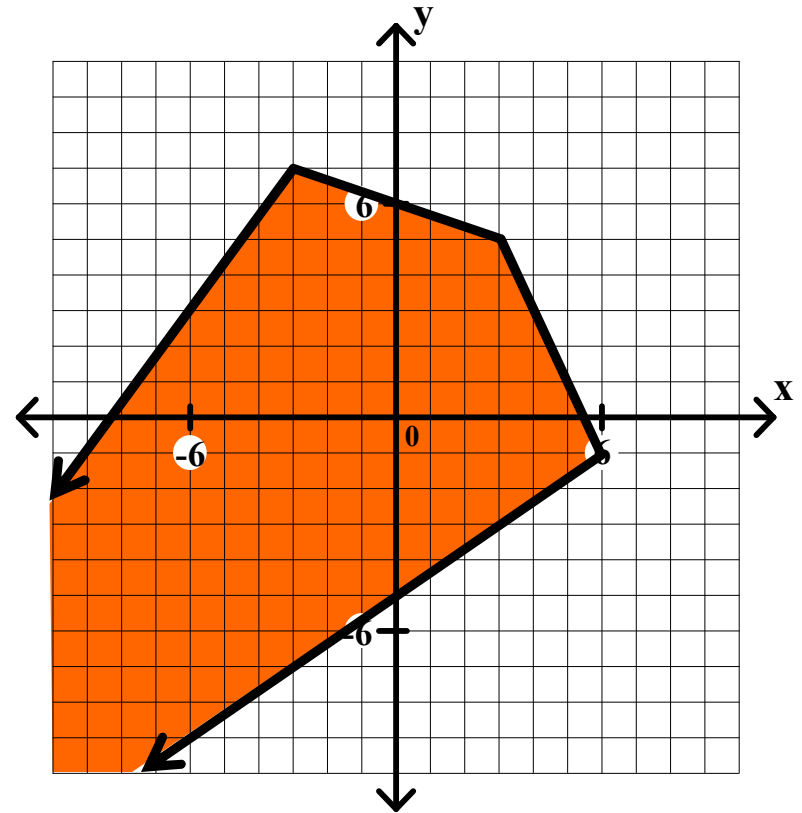
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

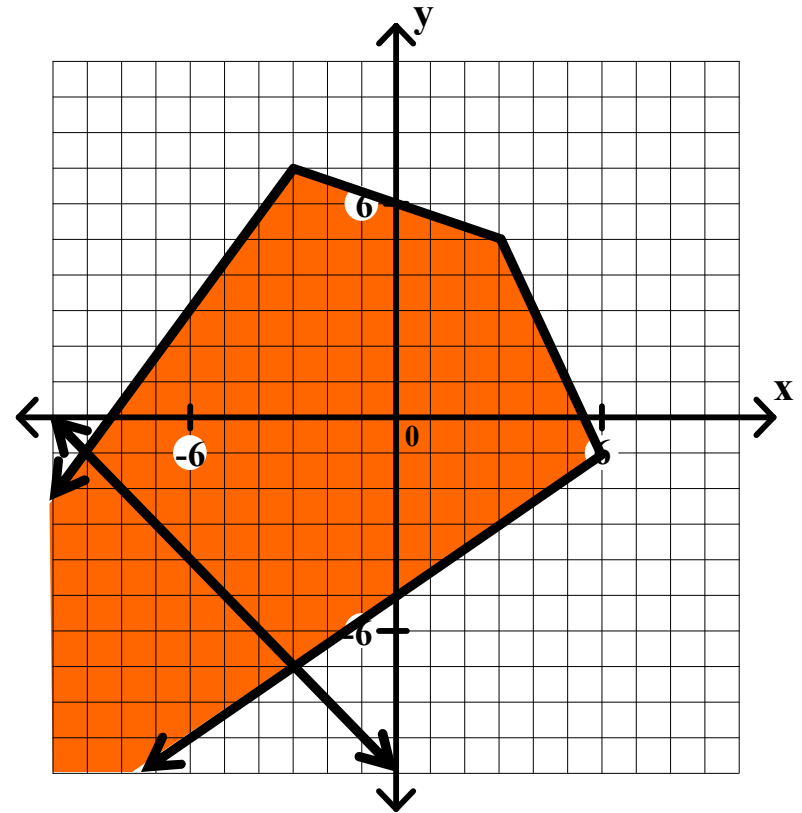
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

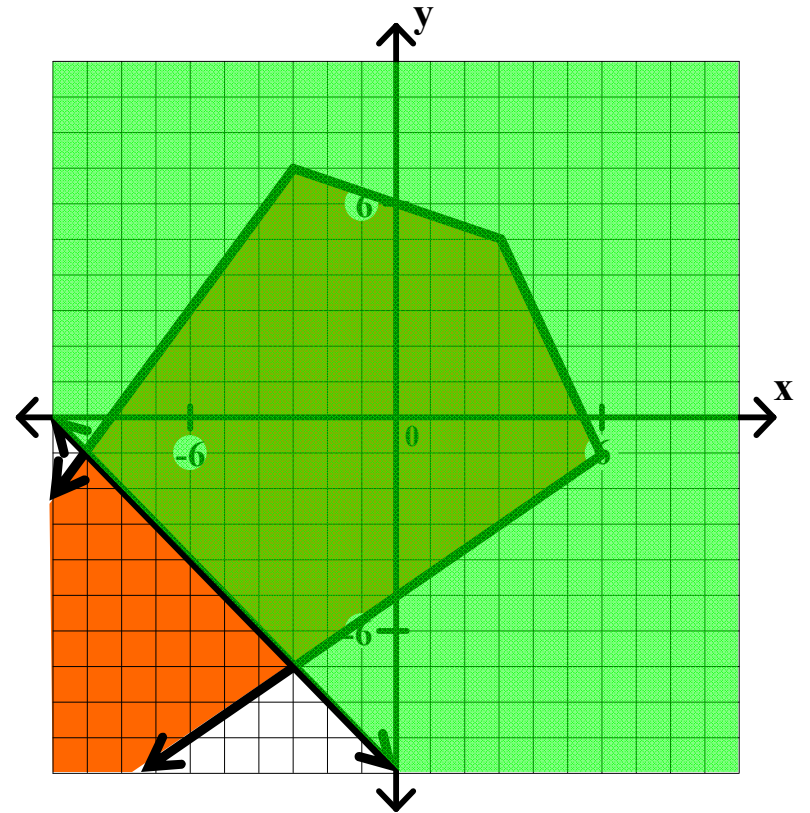
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

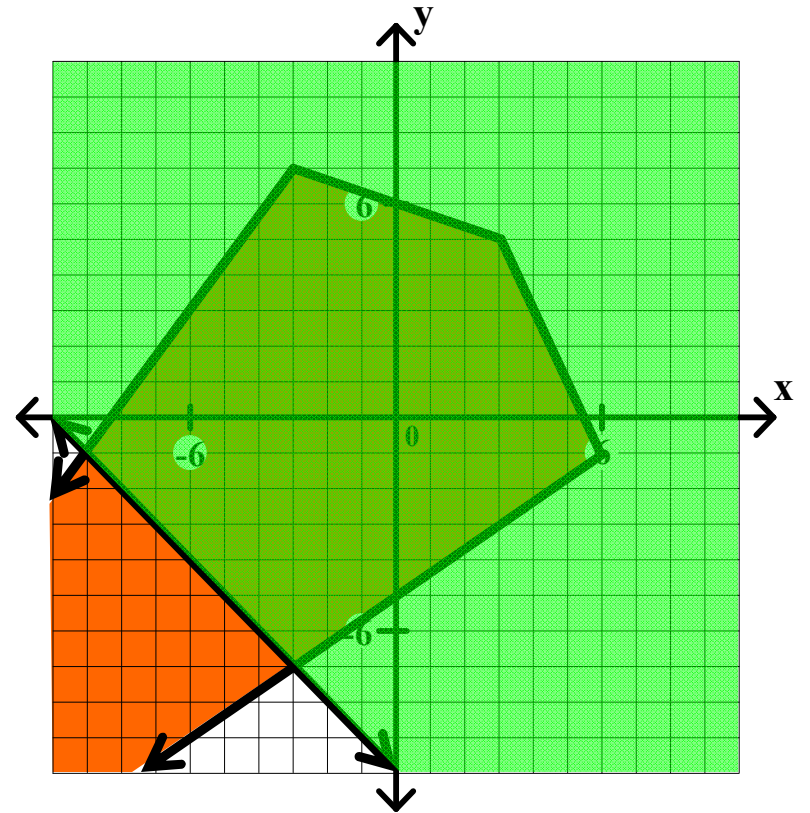
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

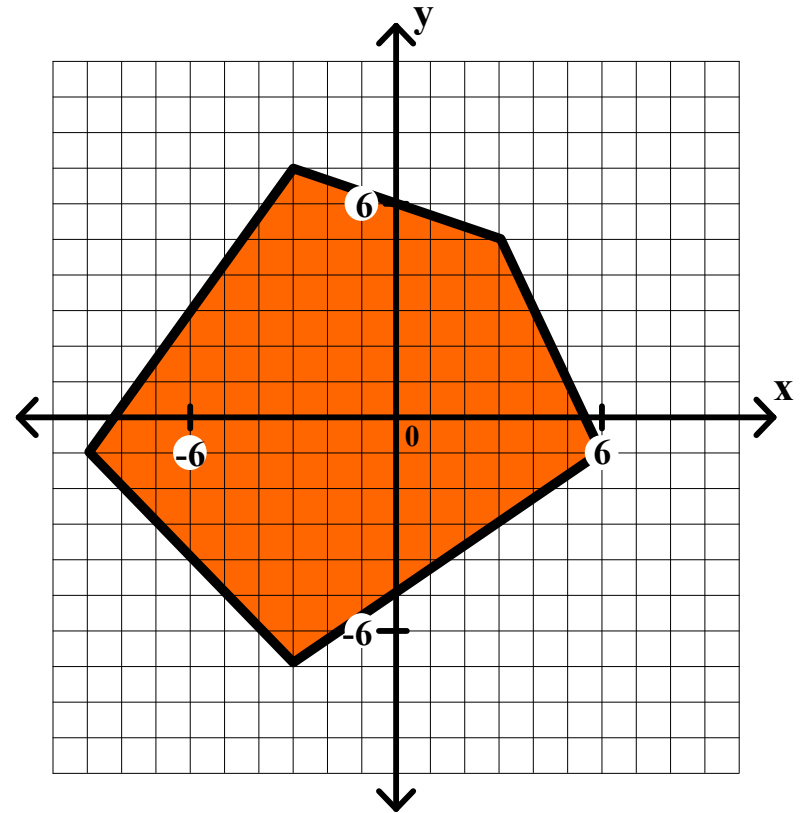
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

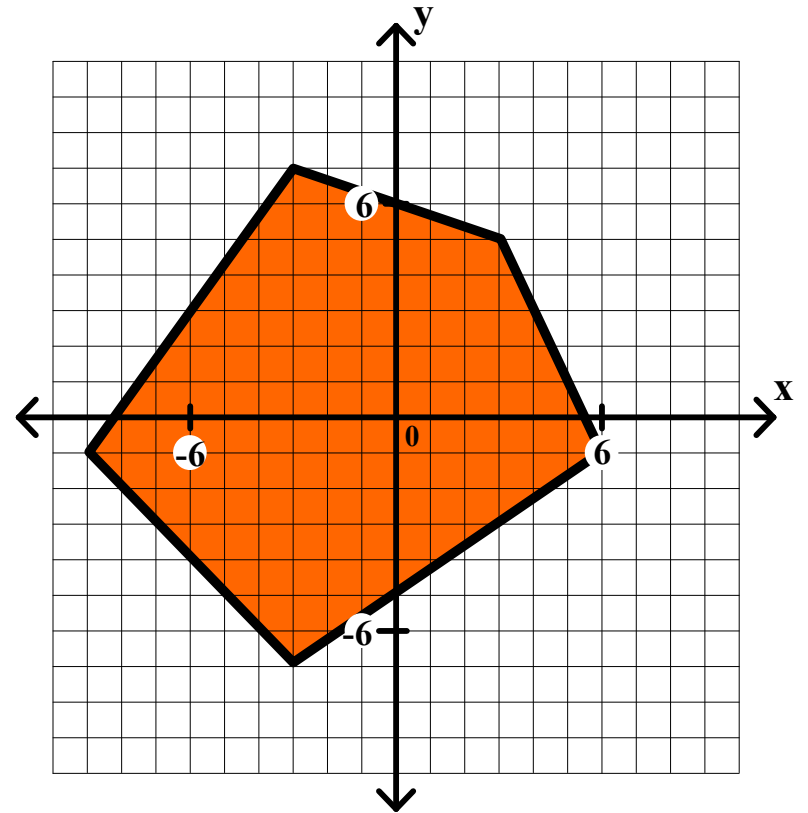
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

Graph each of the following systems of linear inequalities.

Find the coordinates of any vertex.

3. $2x - 3y \leq 15$

$$2x + y \leq 11$$

$$x + 3y \leq 18$$

$$-4x + 3y \leq 33$$

$$x + y \geq -10$$

$$y \geq -x - 10$$

$$-3y \leq -2x + 15$$

$$y \geq (2/3)x - 5$$

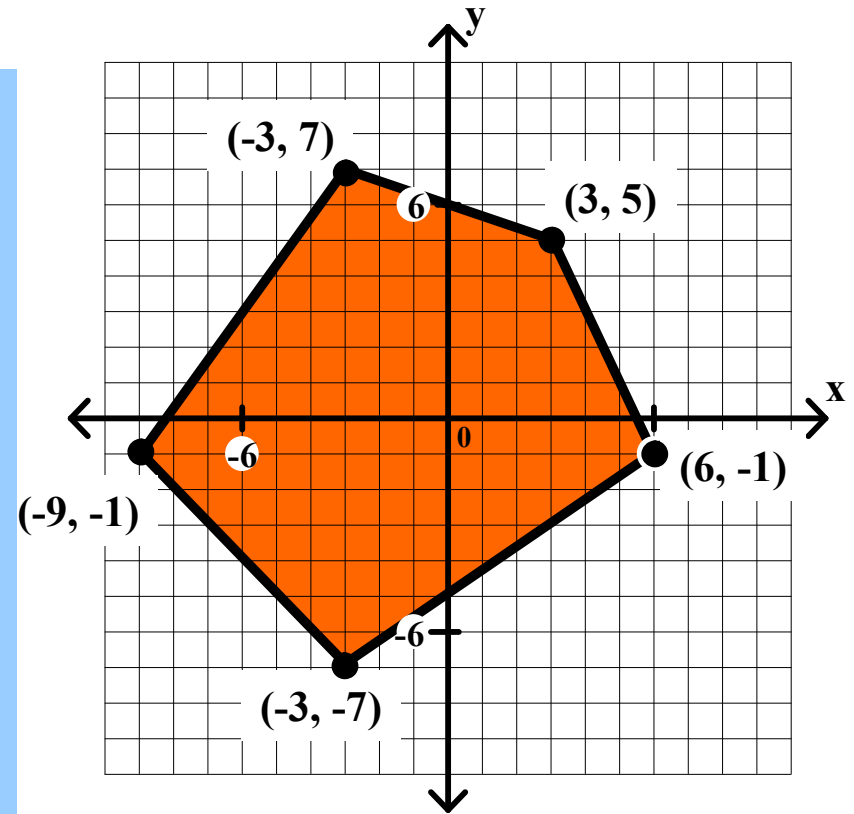
$$y \leq -2x + 11$$

$$3y \leq -x + 18$$

$$y \leq (-1/3)x + 6$$

$$3y \leq 4x + 33$$

$$y \leq (4/3)x + 11$$



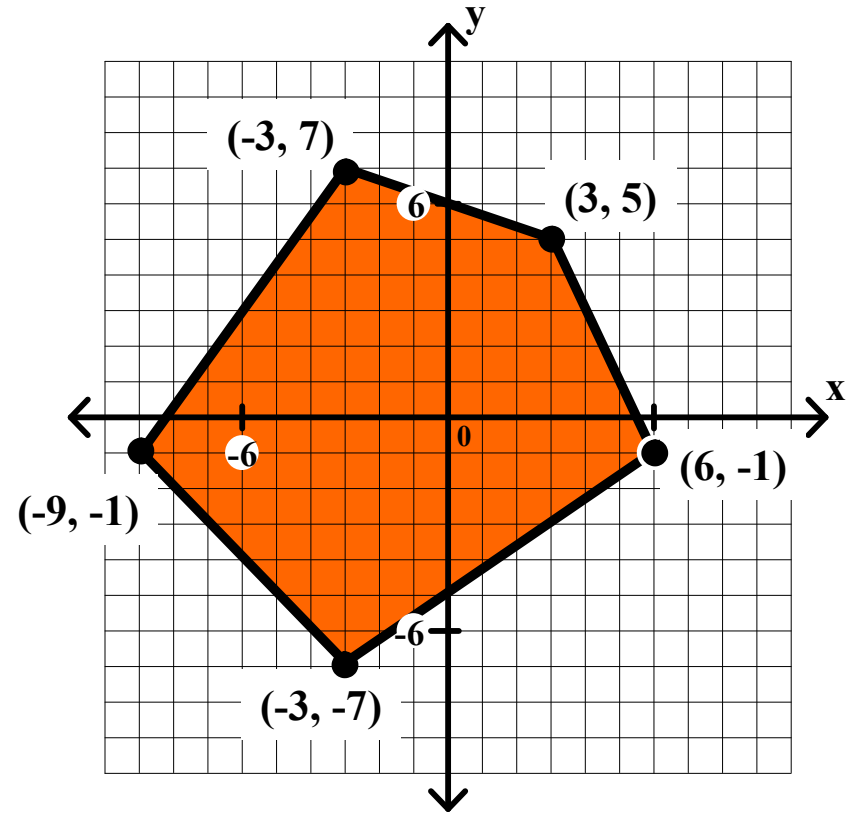
Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$ $-3y \leq -2x + 15$
 $2x + y \leq 11$ $y \geq (2/3)x - 5$
 $x + 3y \leq 18$ $y \leq -2x + 11$
 $-4x + 3y \leq 33$ $3y \leq -x + 18$
 $x + y \geq -10$ $y \leq (-1/3)x + 6$
 $y \geq -x - 10$ $3y \leq 4x + 33$
 $y \leq (4/3)x + 11$



Graph the intersection of the solution sets of all inequalities.

General Algebra II CWS #3 Unit 4

Systems of Linear Inequalities with Two Variables

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

3. $2x - 3y \leq 15$ $-3y \leq -2x + 15$

$2x + y \leq 11$

Good luck on worksheet #5.

-4

$x + y \geq -10$

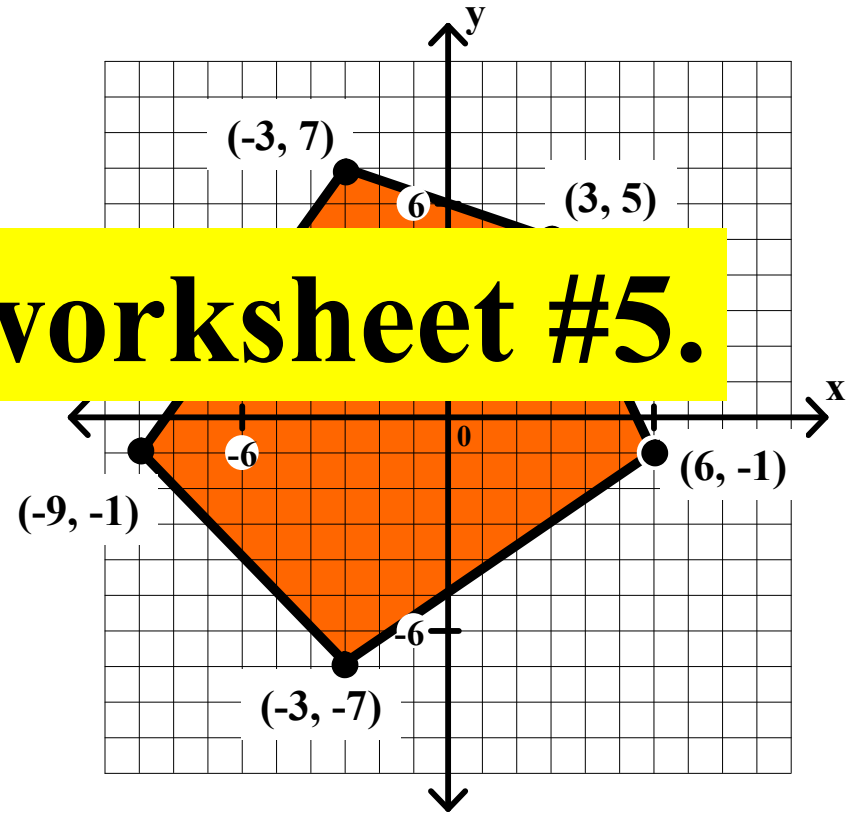
$y \geq -x - 10$

$3y \leq -x + 18$

$y \leq (-1/3)x + 6$

$3y \leq 4x + 33$

$y \leq (4/3)x + 11$



Graph the intersection of the solution sets of all inequalities.

