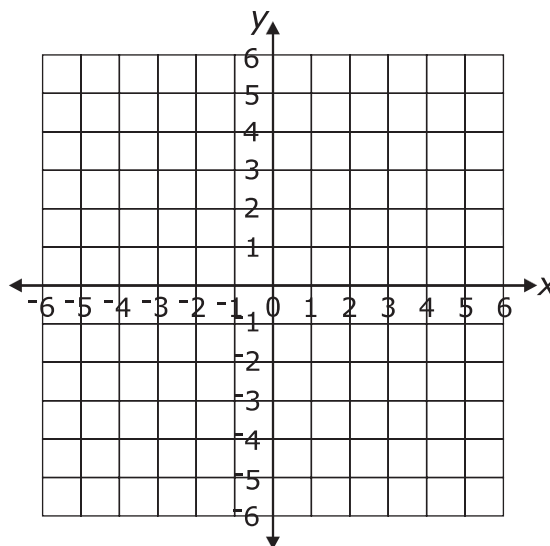


LESSON 27: Solving Systems of Inequalities

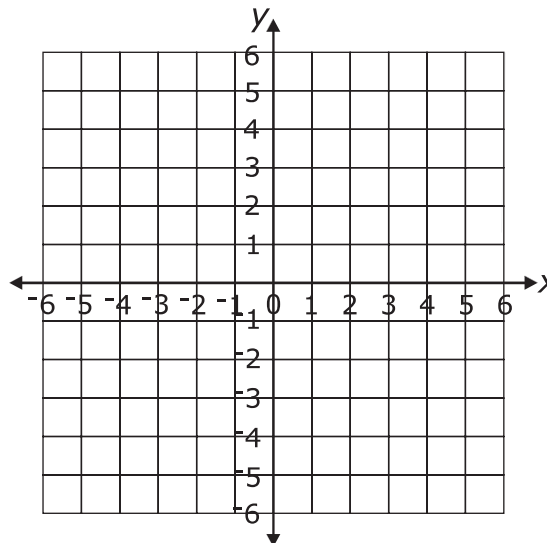
Homework

.....
Directions: Find the solution to each system of inequalities by graphing.

1. $y > -2x + 2$
 $y < x - 3$



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



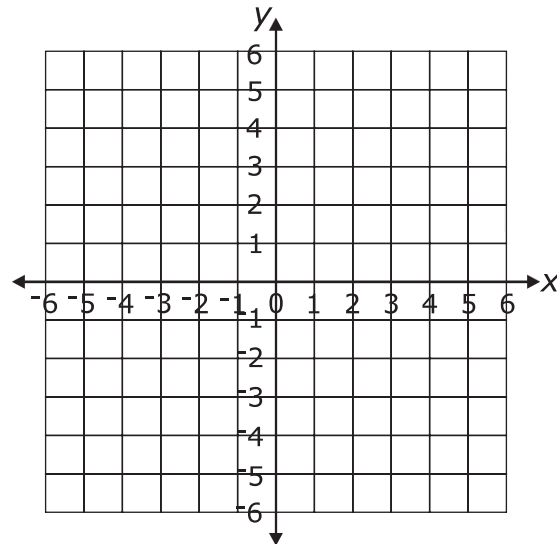
LESSON 27: Solving Systems of Inequalities

Homework

.....
Directions: Find the solution to the system of inequalities by graphing.

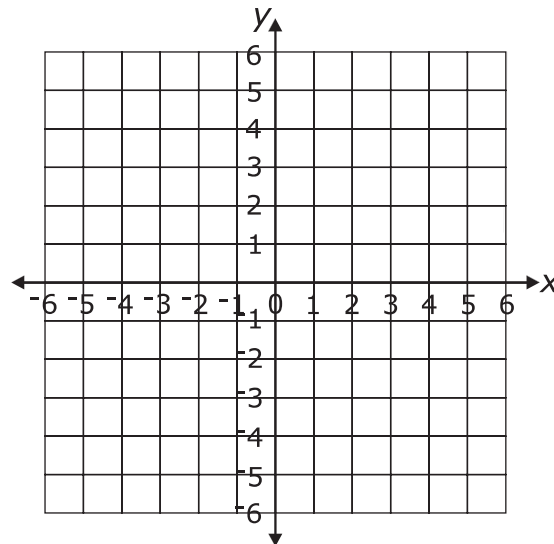
3. $y > \frac{1}{3}x - 2$

$x + y > 4$



4. $4x + 2y \leq 6$

$2x + y \geq -2$



LESSON 27: Solving Systems of Inequalities

Homework

.....
Directions: Answer the following questions.

- 5.** What is the difference between graphing the inequality $y > x + 5$ and $y < x + 5$?
- 6.** What is the difference between graphing the inequality $y > x + 5$ and $y \geq x + 5$?
- 7.** Is $(0, 0)$ a solution to the following system of inequalities?
 $x + y < 2$
 $2x - y > -1$
- 8.** Is $(2, 1)$ a solution to the following system of inequalities?
 $2x + 4y \leq 8$
 $x - 2y > -1$
- 9.** Is $(1, -1)$ a solution to the following system of inequalities?
 $2x + y < 1$
 $x - y > -1$
- 10.** Is $(-5, 1)$ a solution to the following system of inequalities?
 $x + y \leq -4$
 $x - y > -7$