

**Practice Set 4.6**  
Linear Inequalities in Two Variables

Determine whether each ordered pair is a solution of the given equality.

1.  $x + y \geq -3$

a.  $(1, -4)$

1a. \_\_\_\_\_

b.  $(-3, 3)$

b. \_\_\_\_\_

c.  $(-1, -5)$

c. \_\_\_\_\_

2.  $2x - y < 4$

a.  $(3, 2)$

2a. \_\_\_\_\_

b.  $(0, -5)$

b. \_\_\_\_\_

c.  $(1, 3)$

c. \_\_\_\_\_

3.  $y \leq -x + 1$

a.  $(0, 0)$

3a. \_\_\_\_\_

b.  $(1, 4)$

b. \_\_\_\_\_

c.  $(2, -4)$

c. \_\_\_\_\_

4.  $y > -3x - 2$

a.  $(1, 5)$

4a. \_\_\_\_\_

b.  $(0, -1)$

b. \_\_\_\_\_

c.  $(2, -8)$

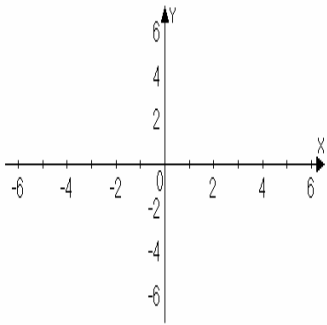
c. \_\_\_\_\_

Name \_\_\_\_\_

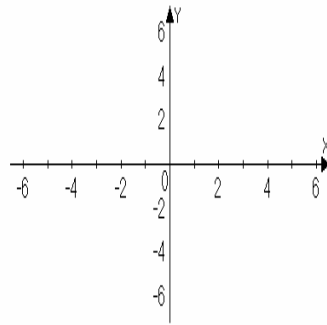
Date \_\_\_\_\_

Graph each inequality.

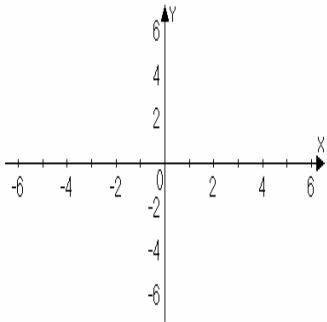
5.  $y < -2$



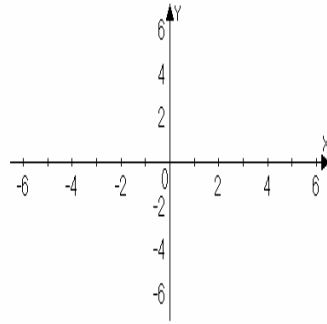
6.  $3x - 2y \geq -4$



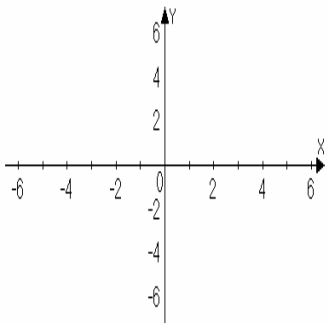
7.  $x - y < 3$



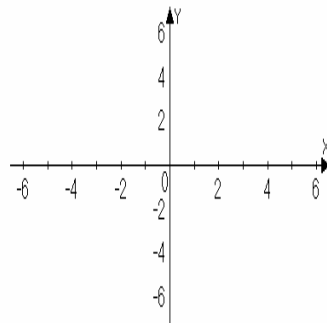
8.  $x > -2$



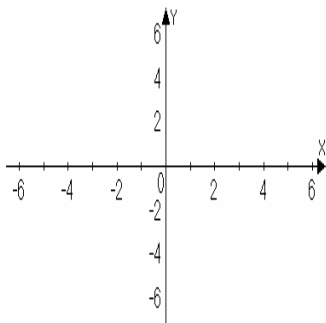
9.  $6x - 3y > -3$



10.  $x + y \leq 3$



11.  $3x + y \leq 3$



12.  $4x + 6y > 6$

