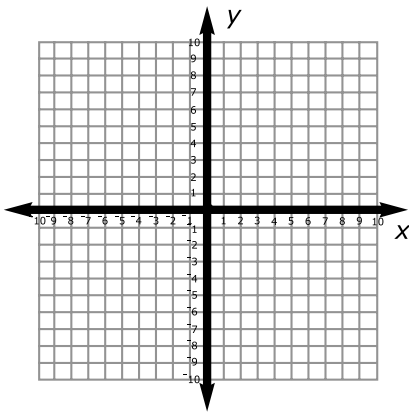


## LESSON 22: Graphing Linear Inequalities

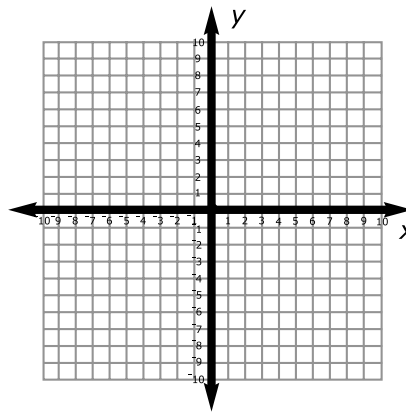
## Homework

**Directions:** Graph the following inequalities and name an ordered pair that is a solution.

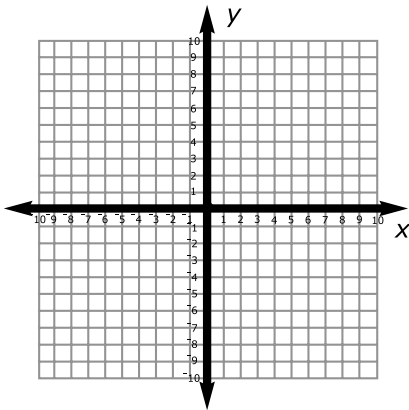
1.  $y > -x + 4$



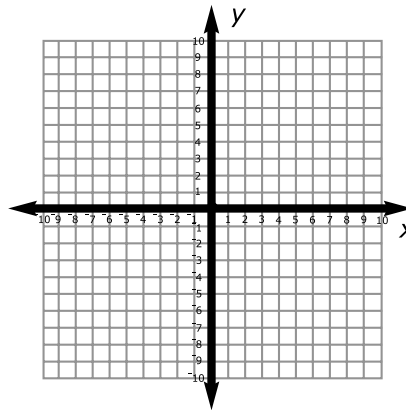
2.  $x \geq -1$



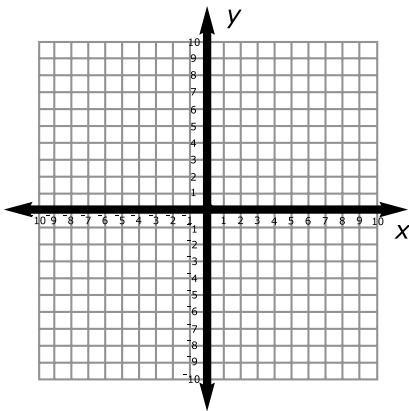
3.  $x + y \leq -1$



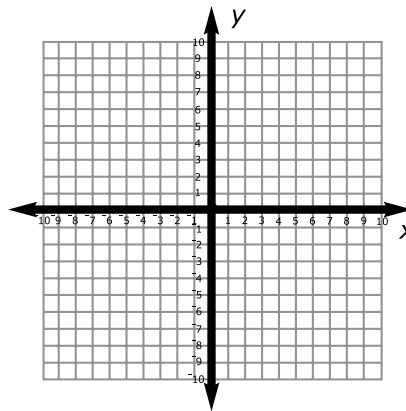
4.  $y < 4$



5.  $2x - y > -3$



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



LESSON 22: Graphing Linear Inequalities

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**Homework**

**7.** Which quadrant does not have a solution to the linear inequality  $y > 2x + 3$ ?

**8.** Which quadrant does not have a solution to the linear inequality  $y > -x + 5$ ?

**9.** Is  $(0, 0)$  a solution to the linear inequality  $x + 3y < 1$ ?

**10.** Is  $(-1, -3)$  a solution to the linear inequality  $2x - y \geq -5$ ?