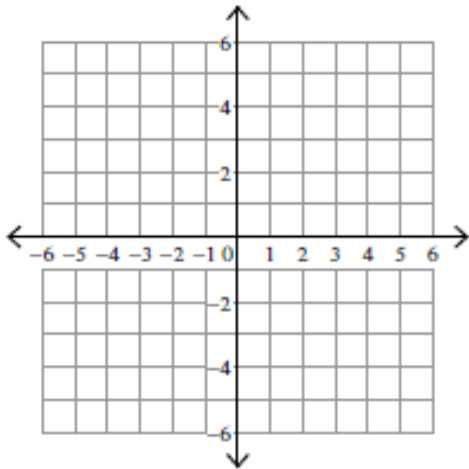# Solving Systems of Inequalities Worksheet

Name: _____

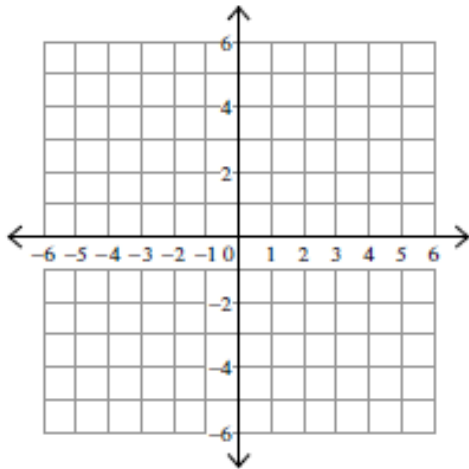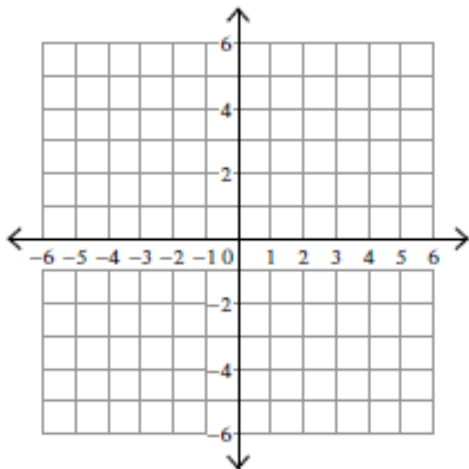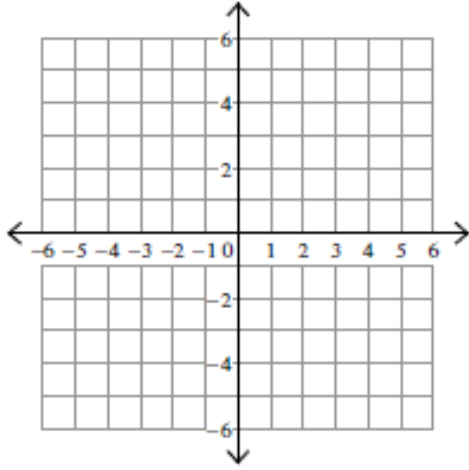**Sketch the graph of each linear inequality.**
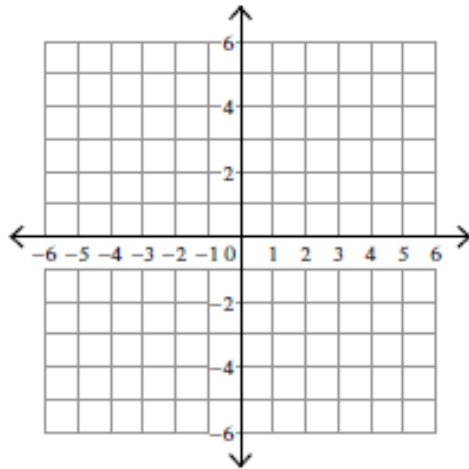
1) $y \geq -2x + 5$

2) $y < 4x + 4$

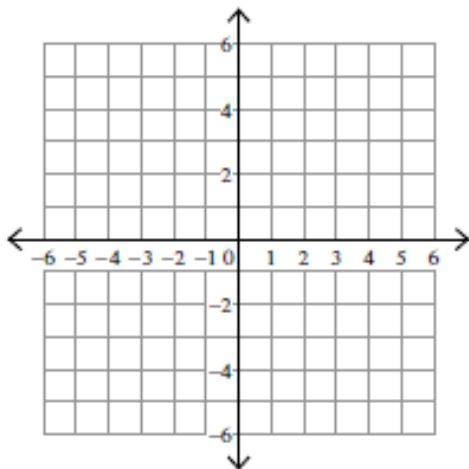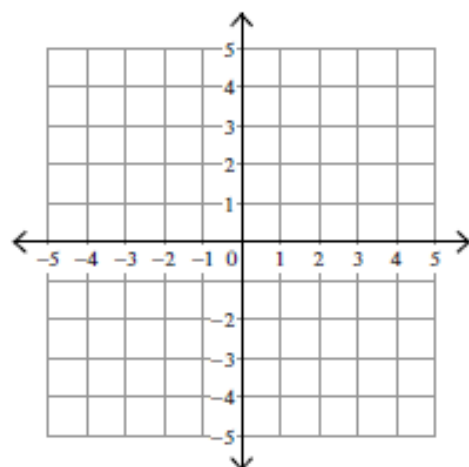3) $y > -\dfrac{4}{5}x$

4) $y \geq -x + 1$

5) $y > 1$

6) $y < \dfrac{7}{3}x - 5$

Sketch the solution to each system of inequalities.
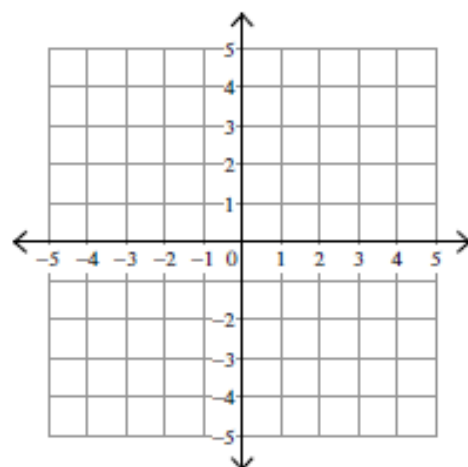
1) $y \le \dfrac{5}{2}x - 2$

   $y \ge \dfrac{1}{2}x + 2$

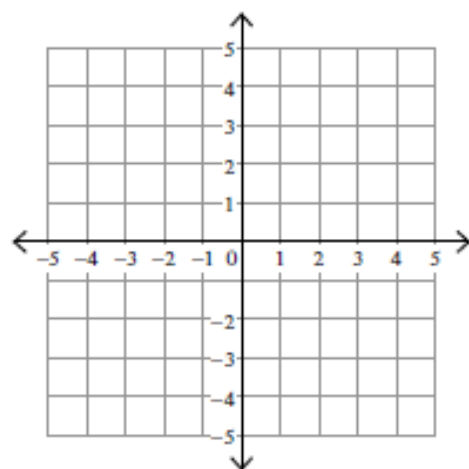2) $y \ge \dfrac{5}{2}x + 2$

   $y \ge \dfrac{1}{2}x - 2$

3) $y \le \dfrac{1}{2}x + 2$

   $y > 3x - 3$

4) $y < -3$

   $y \ge 4x + 1$