

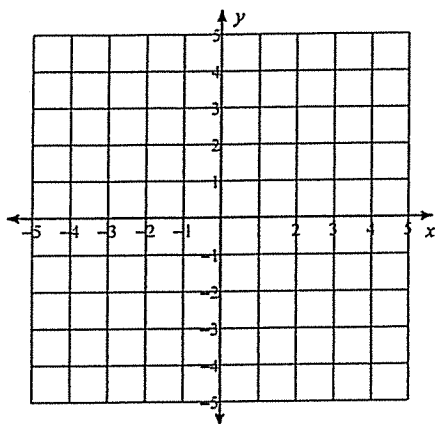
Systems of Linear Inequalities Practice 2

Date _____ Period _____

Sketch the solution to each system of inequalities. Then state one solution to the system. (ie - give an ordered pair from the shaded region.)

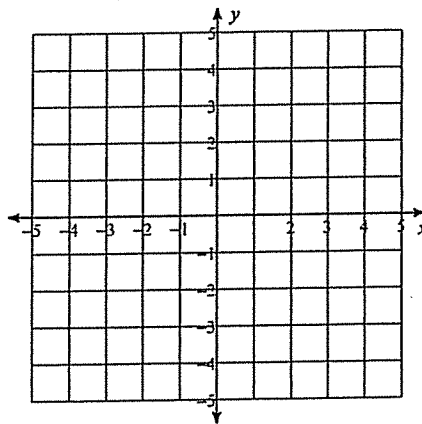
$$1) y < -\frac{1}{2}x - 3$$

$$y \geq 2x + 2$$



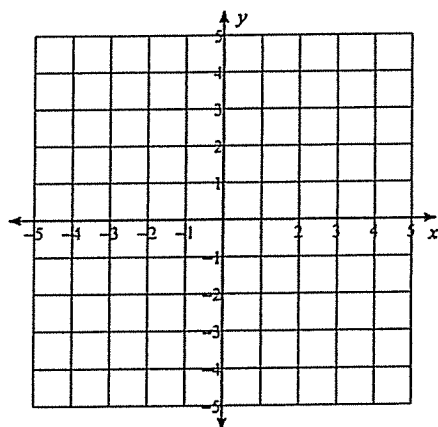
$$2) y \geq \frac{1}{3}x - 2$$

$$y < -x + 2$$



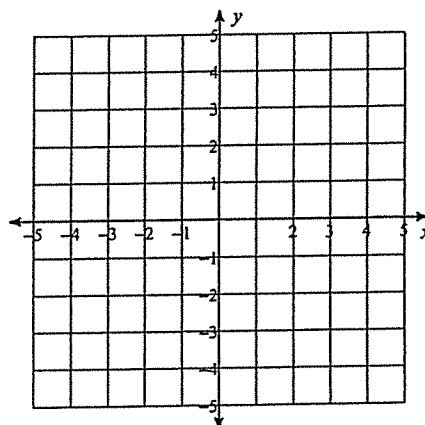
$$3) y > 2x + 3$$

$$y \geq 2x - 3$$



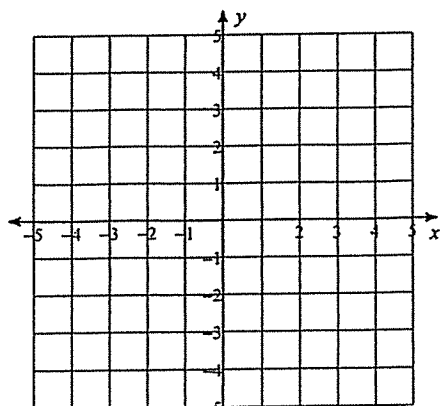
$$4) y < \frac{5}{2}x + 3$$

$$y < -\frac{1}{2}x - 3$$



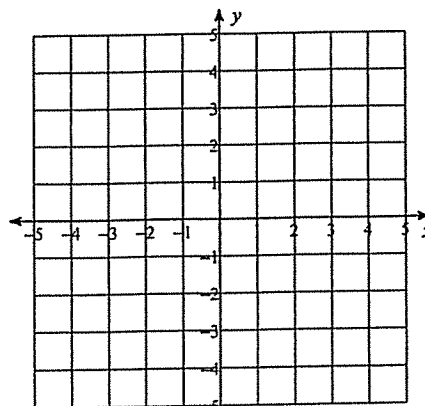
$$5) y \geq -5x + 3$$

$$y \leq x - 3$$

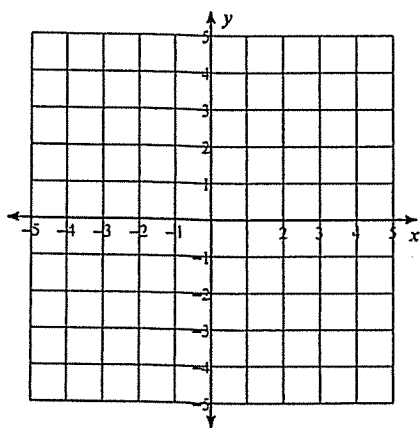


$$6) y > -x + 2$$

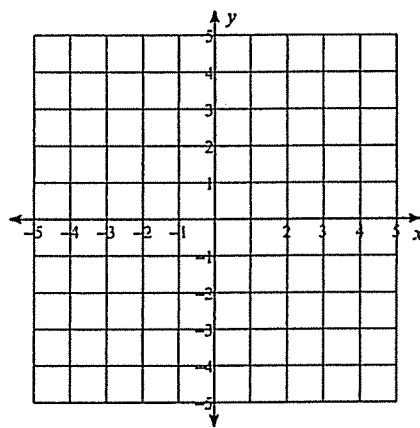
$$y < -5x - 2$$



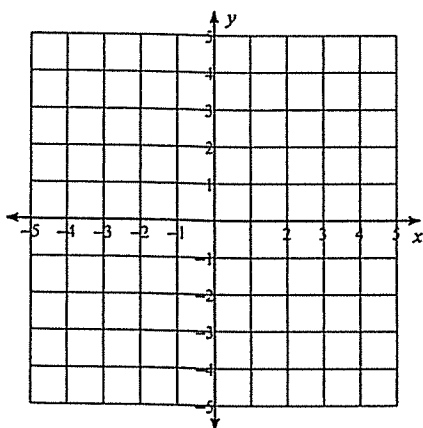
7) $x + y > 2$
 $4x + y < -1$



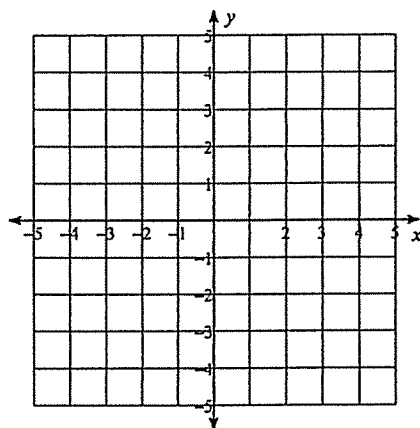
8) $x + 3y \leq 6$
 $x + 3y \geq -3$



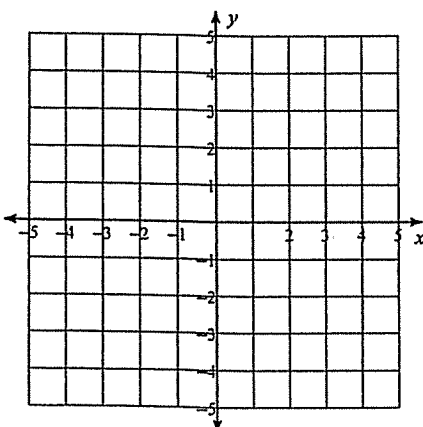
9) $x + 3y \geq -6$
 $4x + 3y \leq 3$



10) $x - y < -1$
 $x + 2y < -4$



11) $5x + y \leq -3$
 $x + y > 1$



12) $x - 2y \leq 4$
 $5x - 2y < -4$

