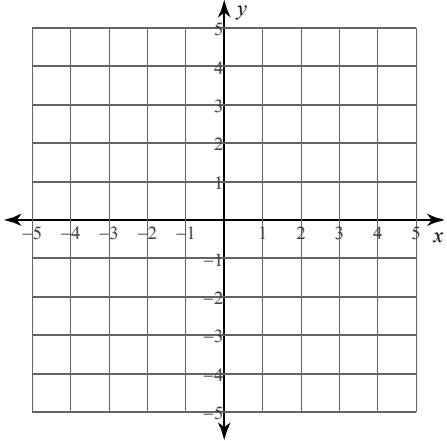


10-3-17 Review 3-1 to 3-3

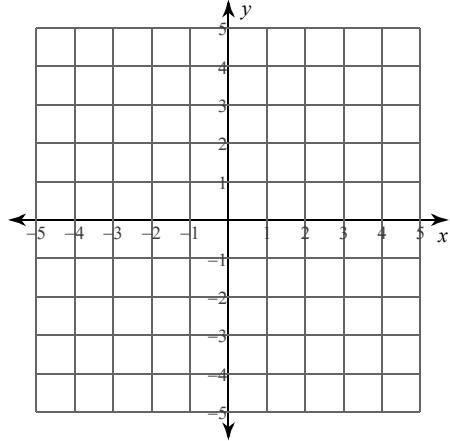
Date _____ Period ____

Solve each system by graphing.

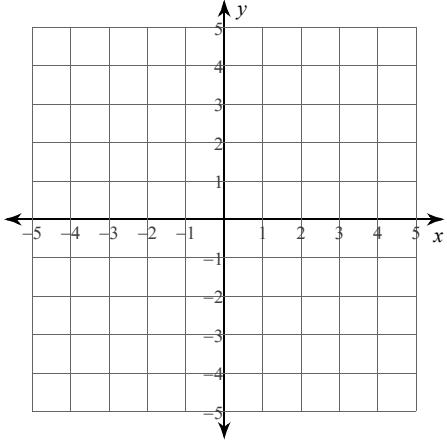
1) $y = -x - 2$
 $y = -5x + 2$



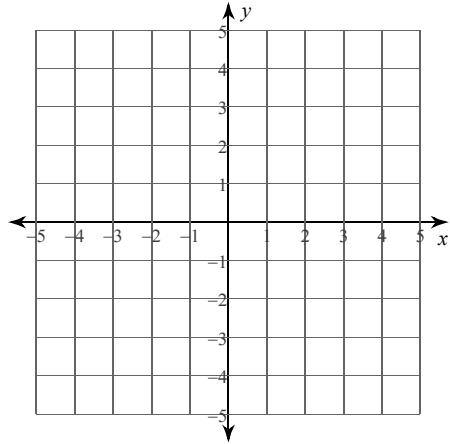
2) $2x - y = -3$
 $3x + 2y = -8$

**Sketch the solution to each system of inequalities.**

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



4) $5x + 2y > 6$
 $x - 2y \geq 6$



Solve each system by substitution.

$$5) \begin{aligned} y &= -8 \\ -4x + 3y &= -20 \end{aligned}$$

$$6) \begin{aligned} y &= 6x - 19 \\ 8x + 4y &= 20 \end{aligned}$$

$$7) \begin{aligned} x + y &= 6 \\ 4x - 2y &= -24 \end{aligned}$$

$$8) \begin{aligned} -x + 7y &= 6 \\ x + 3y &= 4 \end{aligned}$$

Solve each system by elimination.

$$9) \begin{aligned} -x - 6y &= -24 \\ 7x + 6y &= 24 \end{aligned}$$

$$10) \begin{aligned} -7x + 7y &= 0 \\ 3x + 7y &= 0 \end{aligned}$$

$$11) \begin{aligned} 9x - 2y &= -24 \\ 3x + 9y &= 21 \end{aligned}$$

$$12) \begin{aligned} 7x + 6y &= 15 \\ -6x + 3y &= -21 \end{aligned}$$

$$13) \begin{aligned} -9x + 5y &= -22 \\ -10x + 3y &= -4 \end{aligned}$$

$$14) \begin{aligned} 6x + 9y &= -21 \\ -7x + 7y &= 7 \end{aligned}$$