

Name _____

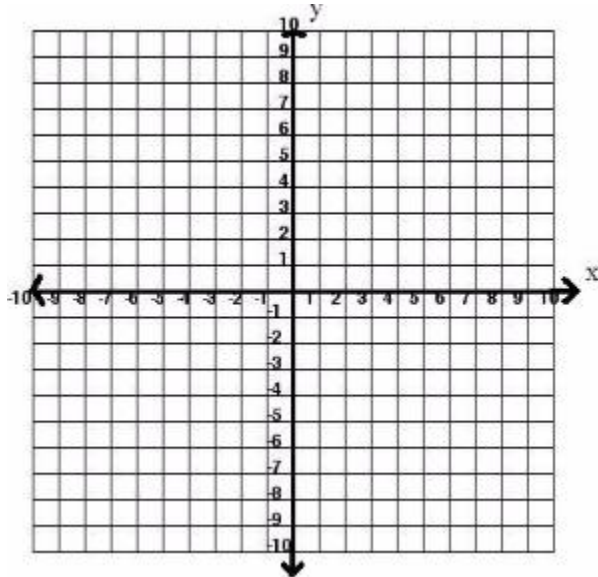
Date _____

Homework #12 - Due Friday 1/11

Directions: Solve the system of equations graphically.

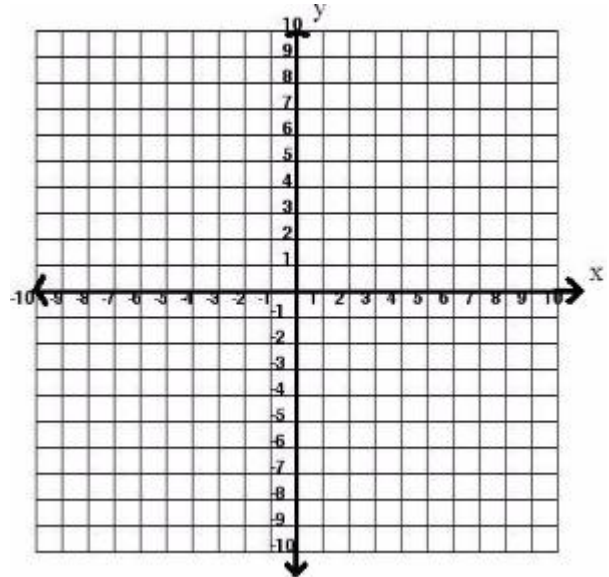
1) $y = \frac{4}{3}x + 3$ $y = -\frac{2}{3}x - 3$

Solution: _____



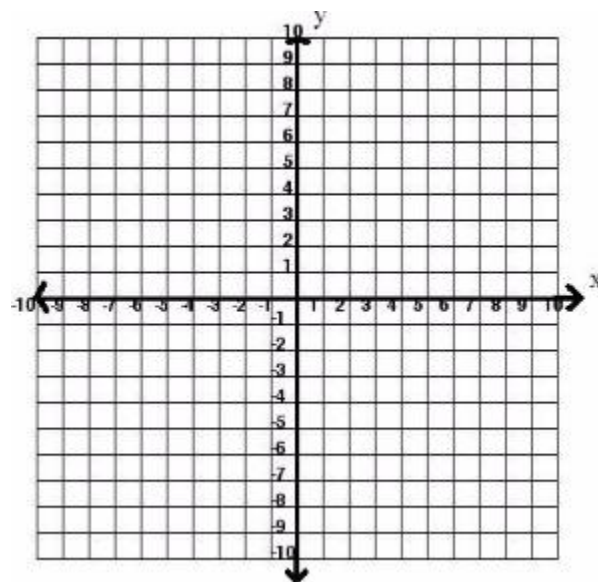
2) $y = x + 6$ $y = -2x$

Solution: _____



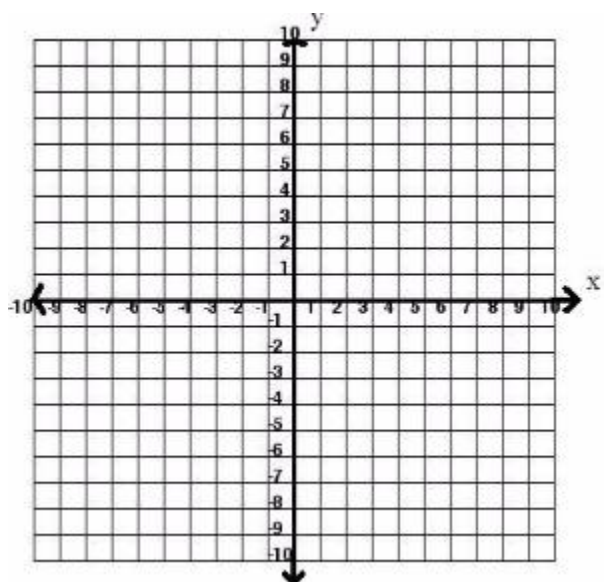
3) $y = -x + 2$ $y = 3x - 2$

Solution: _____



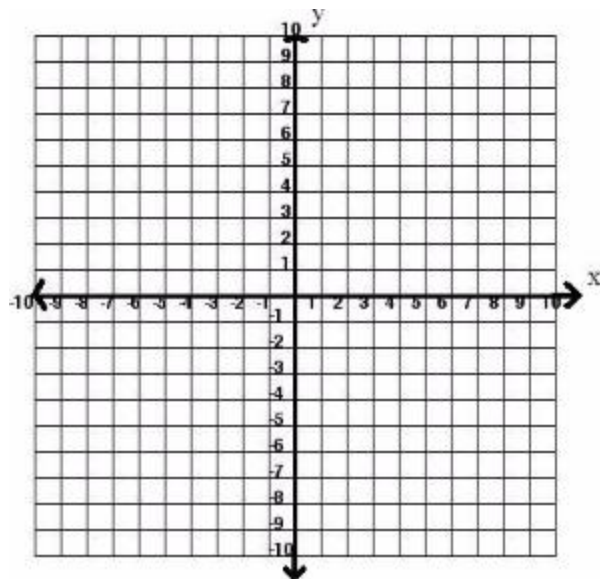
4) $y = x + 6$ $-y = -3x + 2$

Solution: _____



$$5) y = -\frac{2}{3}x + 2$$

$$3y - 2x = 18$$



Directions: Solve the system of equations by elimination.

$6) \begin{cases} x + y = 6 \\ x - y = 2 \end{cases}$	$7) \begin{cases} 2x + y = 5 \\ 2x - y = 3 \end{cases}$
$8) \begin{cases} x + 2y = 7 \\ 3x - 2y = 5 \end{cases}$	$9) \begin{cases} x + y = 9 \\ -x + y = 5 \end{cases}$

$$\begin{aligned} 10) \quad x - 2y &= -2 \\ 2x - y &= 5 \end{aligned}$$

$$\begin{aligned} 11) \quad x + y &= 0 \\ -4x - 5y &= -2 \end{aligned}$$

$$\begin{aligned} 12) \quad 5x - 2y &= 8 \\ 3x - 7y &= -1 \end{aligned}$$

$$\begin{aligned} 13) \quad 3x + 7y &= -2 \\ 2x + 3y &= -3 \end{aligned}$$