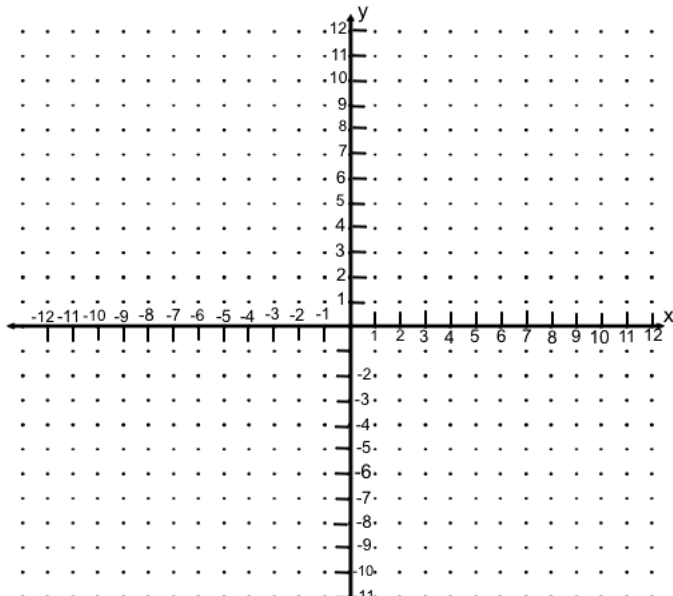


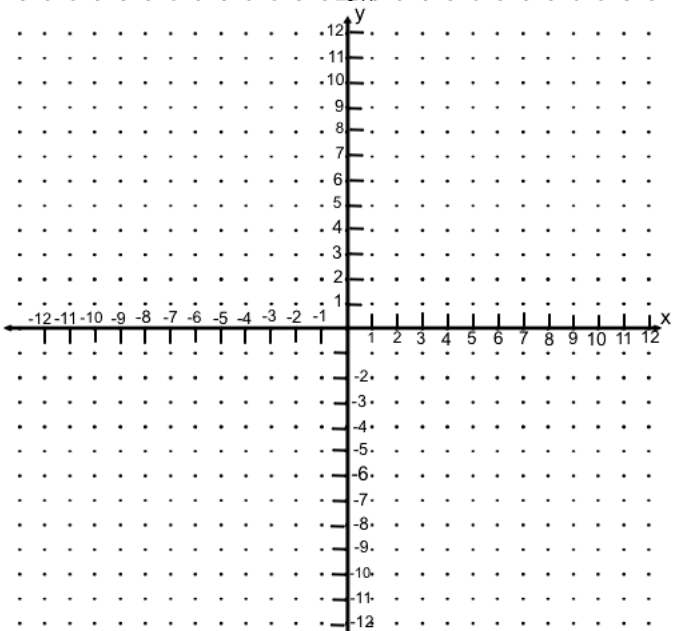
Name(s) _____ HW Sec _____

Prob 1) Graph the equation: $6x + 4y = 24$



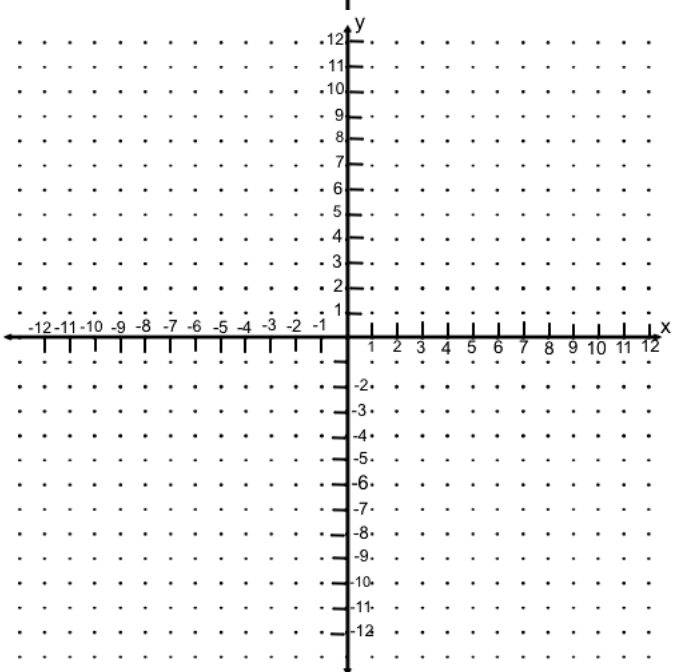
Prob 2) Solve the system of equations by graphing.

$$y = -x - 1$$
$$y = 2x + 8$$



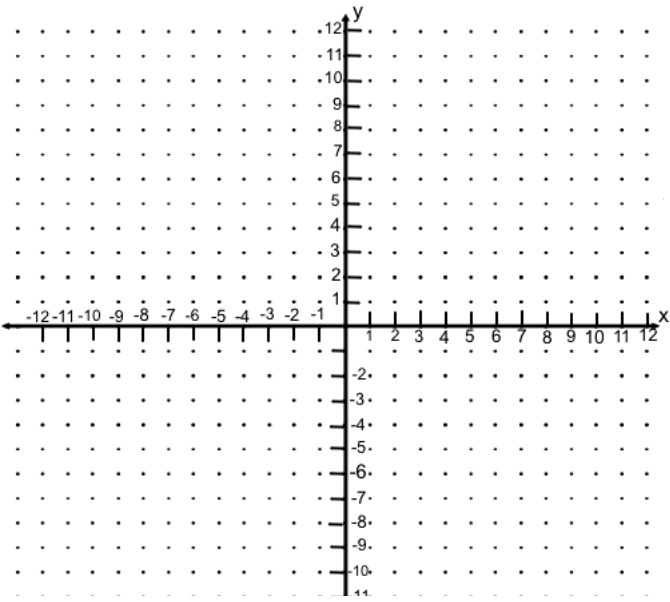
Prob 3) Solve the system of equations by graphing.

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



Prob 4) Solve the system of equations by graphing.

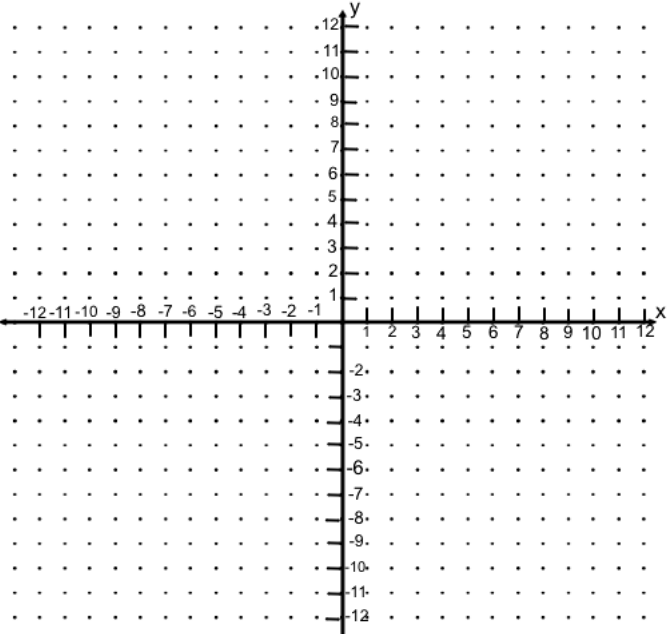
$$\begin{cases} 2x - 4y = 8 \\ \frac{1}{2}x + y = -4 \end{cases}$$



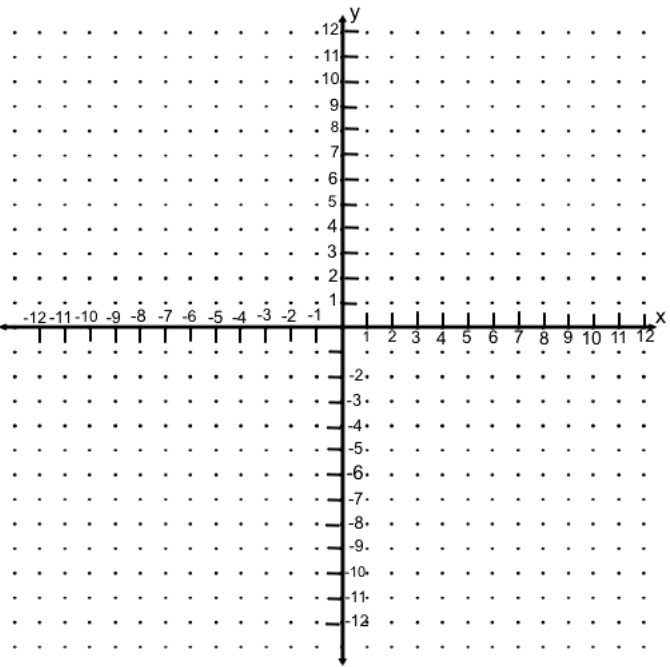
Prob 5) Solve the system of equations by graphing.

$$x = 4$$

$$y = -7$$

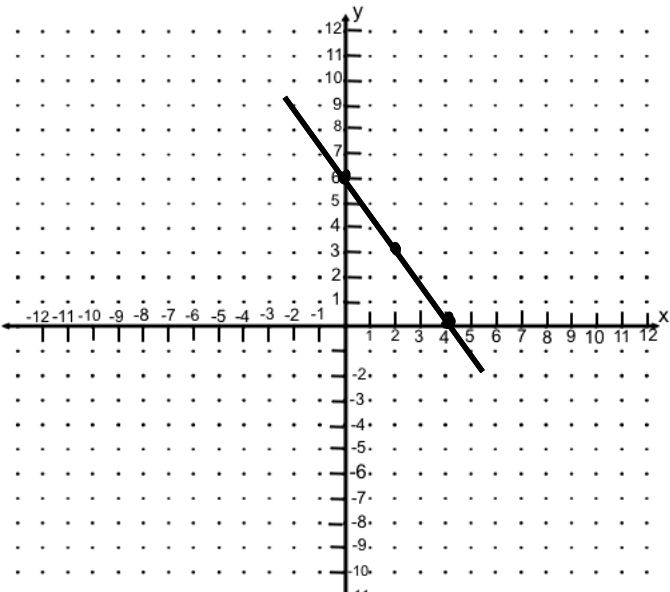


Prob _____



Prob 1) Graph the equation: $6x + 4y = 24$

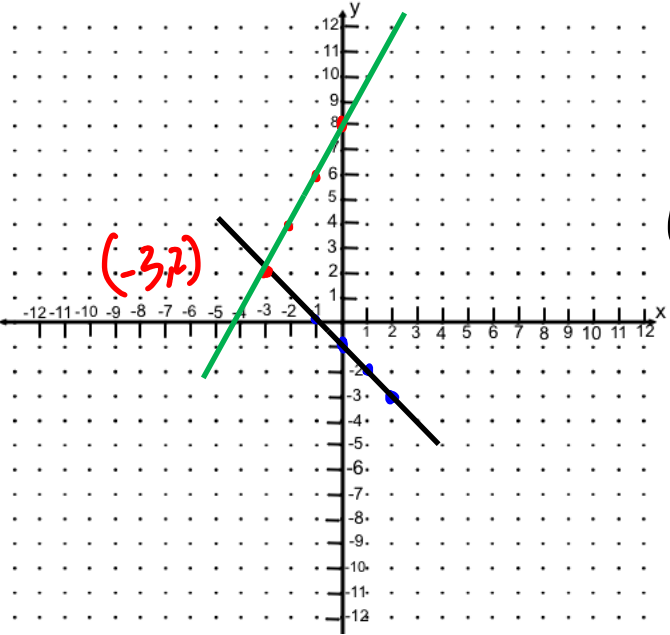
$$\begin{aligned}
 & -6x \quad -6x \\
 & \frac{4y}{4} = \frac{-6x + 24}{4} \\
 & y = \frac{-3}{2}x + 6 \\
 & m = \frac{-3}{2} \rightarrow b = 6
 \end{aligned}$$



Prob 2) Solve the system of equations by graphing.

$$\begin{aligned}
 y &= -x - 1 \\
 y &= 2x + 8 \\
 & (-3, 2)
 \end{aligned}$$

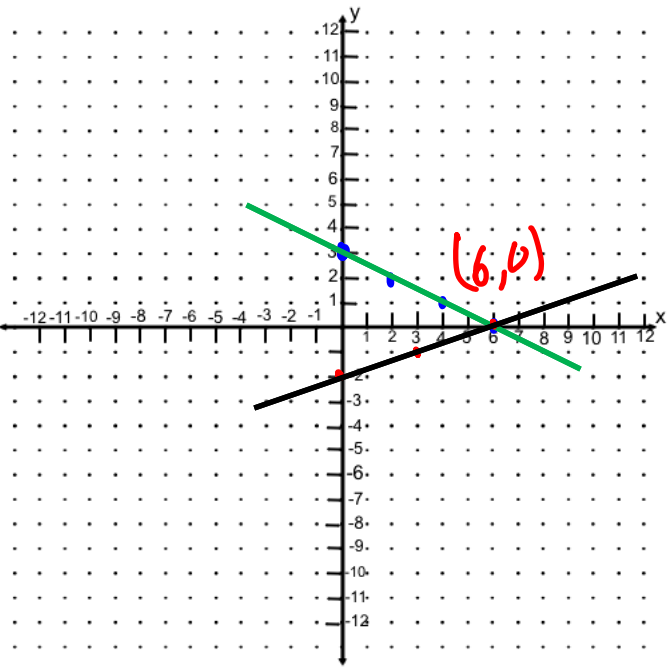
$$\begin{aligned}
 y &= -x - 1 \\
 m &= \frac{-1}{1} \\
 b &= -1 \\
 y &= 2x + 8 \\
 m &= \frac{2}{1} \rightarrow \frac{-2}{-1} \\
 b &= 8
 \end{aligned}$$

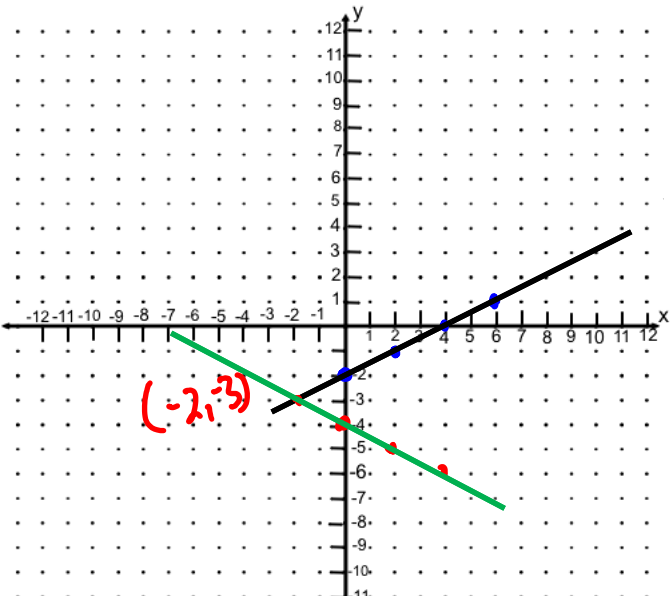


Prob 3) Solve the system of equations by graphing.

$$\begin{aligned}
 x + 2y &= 6 \\
 -x + 3y &= -6
 \end{aligned}$$

$$\begin{aligned}
 x + 2y &= 6 & -x + 3y &= -6 \\
 \frac{2y}{2} &= \frac{-x + 6}{2} & \frac{3y}{3} &= \frac{x - 6}{3} \\
 y &= \frac{-1}{2}x + 3 & y &= \frac{1}{3}x - 2 \\
 m &= \frac{-1}{2} \rightarrow & m &= \frac{1}{3} \rightarrow \\
 b &= 3 & b &= -2
 \end{aligned}$$



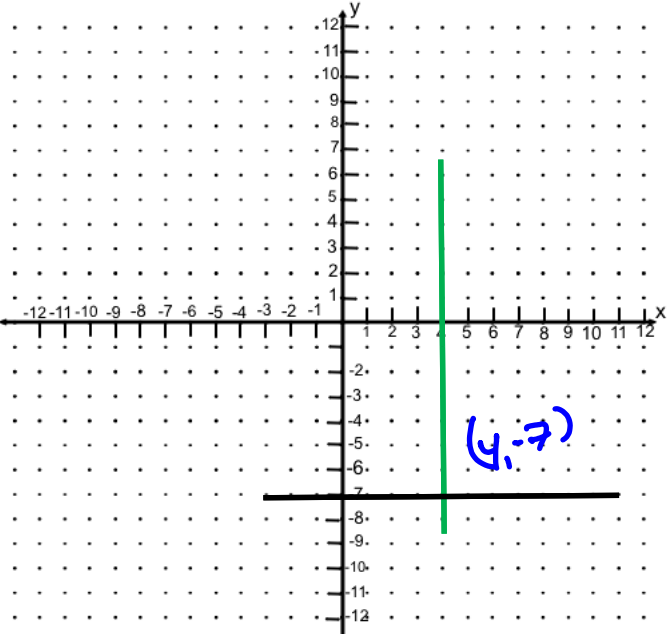


Prob 4) Solve the system of equations by graphing.

$$\begin{cases} 2x - 4y = 8 \\ \frac{1}{2}x + y = -4 \end{cases}$$

$2x - 4y = 8$ $2x - 4y = 8$ $\frac{1}{2}x + y = -4$
 ~~$-2x$~~ ~~$-2x$~~ $-\frac{1}{2}x$
 $-4y = -2x + 8$ $y = -\frac{1}{2}x - 4$
 $\frac{-y}{-4} = \frac{-2x + 8}{-4}$ $m = -\frac{1}{2}$
 $y = \frac{1}{2}x - 2$ $b = -4$
 $m = \frac{1}{2}$ $b = -2$

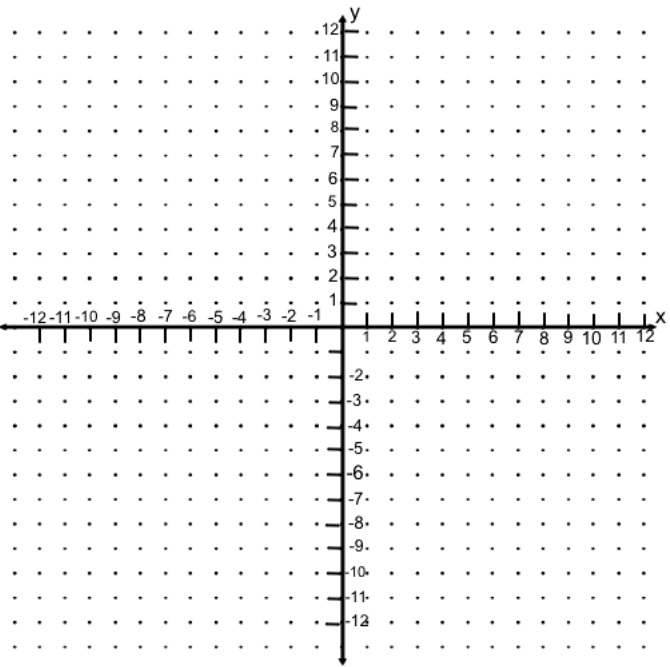
$(-2, -3)$



Prob 5) Solve the system of equations by graphing.

$$\begin{cases} x = 4 \\ y = -7 \end{cases}$$

$(4, -7)$



Prob _____