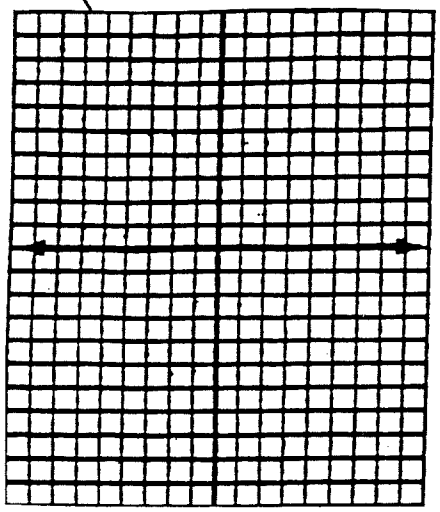
Algebra I
6.1 Worksheet #2
Solving Systems of Equations by Graphing

NAME:_____
DATE:_____ HOUR:____

DIRECTIONS: FIND THE SOLUTION TO EACH SYSTEM BY GRAPHING then VERIFY YOUR RESULT WITH TRUE EQUATIONS. All solutions will be *integer coordinates*.

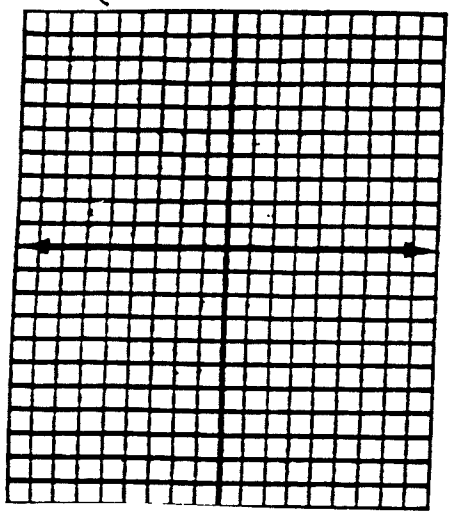
1. $\begin{cases} y = x + 1 \\ y = -2x + 4 \end{cases}$



Verify your result.

$y = x + 1$ $y = -2x + 4$

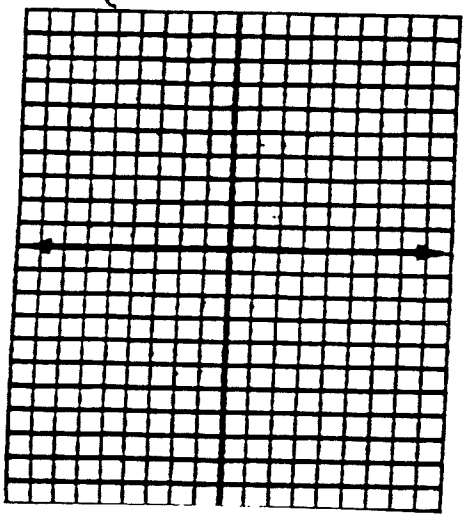
2. $\begin{cases} y = -\frac{1}{2}x + 4 \\ y = -2x + 10 \end{cases}$



Verify your result.

$y = -\frac{1}{2}x + 4$ $y = -2x + 10$

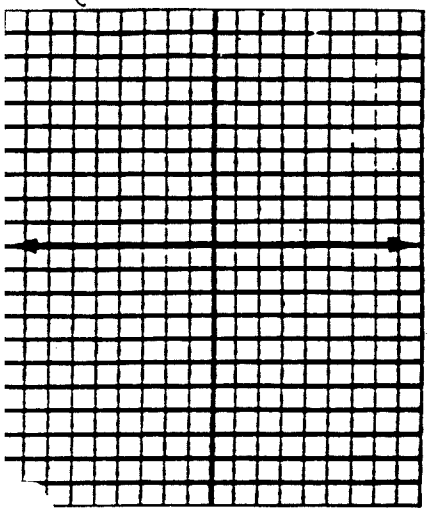
3. $\begin{cases} y = x - 3 \\ y = 2x - 8 \end{cases}$



Verify your result.

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

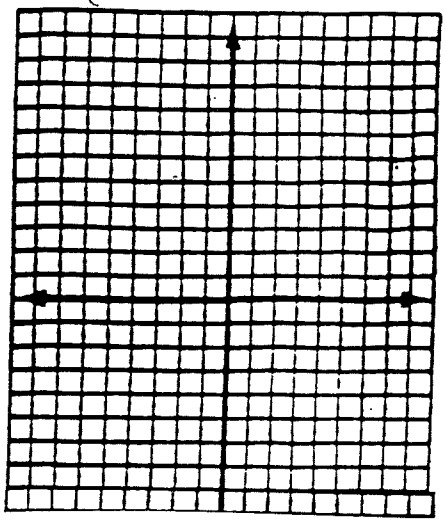
4. $\begin{cases} y = x - 1 \\ y = -2x + 5 \end{cases}$



Verify your result.

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

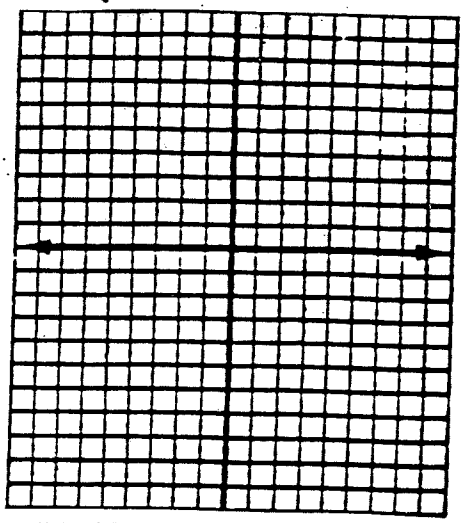
5. $\begin{cases} y = x + 7 \\ y = 2x + 9 \end{cases}$



Verify your result.

$y = x + 7$ $y = 2x + 9$

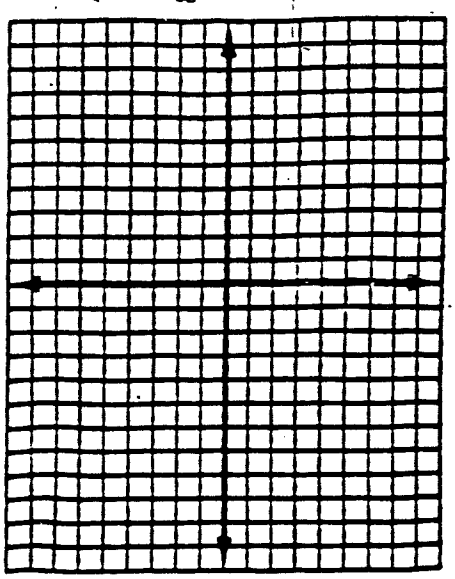
6. $\begin{cases} y = x + 4 \\ y = -2x + 1 \end{cases}$



Verify your result.

$y = x + 4$ $y = -2x + 1$

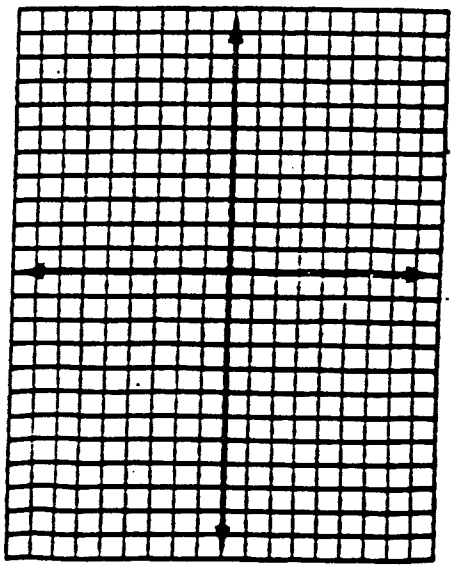
7. $\begin{cases} y = 2x + 1 \\ y = \frac{5}{2}x + 2 \end{cases}$



Verify your result.

$y = 2x + 1 \quad y = \frac{5}{2}x + 2$

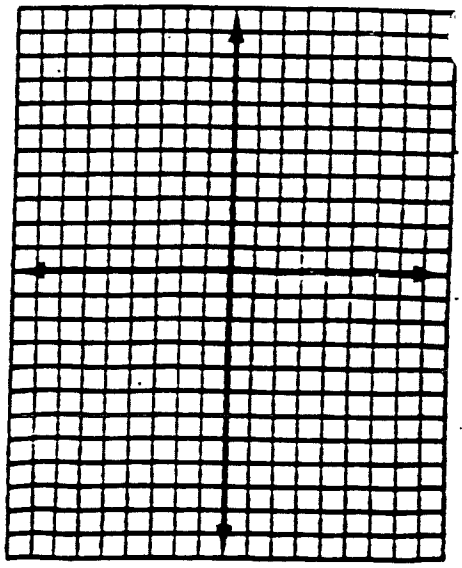
8. $\begin{cases} y = 2x + 1 \\ y = x + 3 \end{cases}$



Verify your result. $(2, 5)$

$y = 2x + 1 \quad y = x + 3$

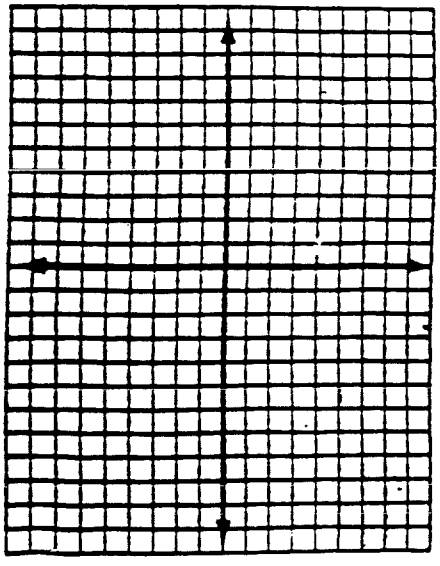
9. $\begin{cases} y = 2x - 6 \\ y = -\frac{4}{3}x + 4 \end{cases}$



Verify your result.

$y = 2x - 6 \quad y = -\frac{4}{3}x + 4$

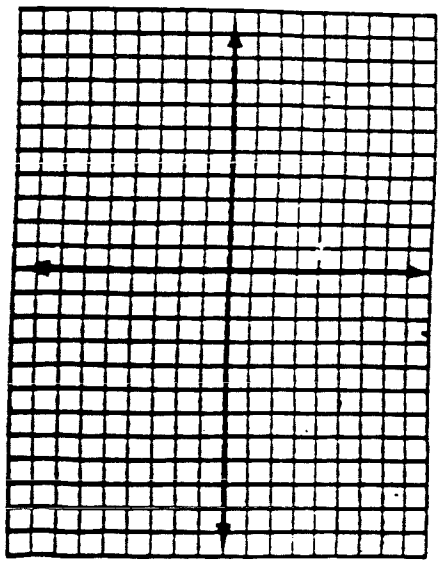
10. $\begin{cases} y = 2x - 3 \\ y = -\frac{1}{2}x + 7 \end{cases}$



Verify your result.

$y = 2x - 3 \quad y = -\frac{1}{2}x + 7$

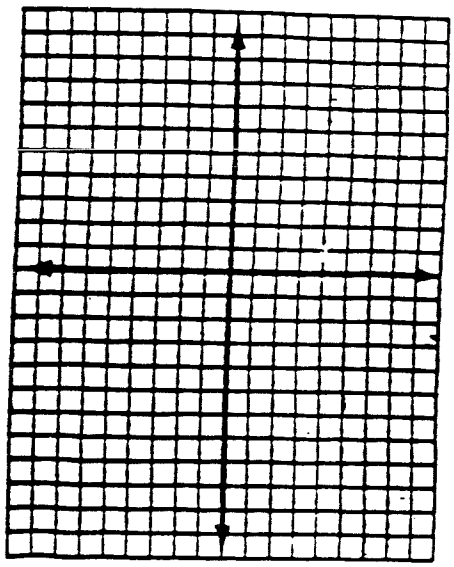
11. $\begin{cases} y = x - 5 \\ y = -2x + 1 \end{cases}$



Verify your result.

$y = x - 5 \quad y = -2x + 1$

12. $\begin{cases} y = 4x + 3 \\ y = x \end{cases}$



Verify your result.

$y = 4x + 3 \quad y = x$