Extended Algebra 1 Name:_____

Systems of Equations Worksheet 22

Solve each system of equations. Remember to write your answers as an ordered pair, i.e. (x, y) .

1. $\begin{cases} 7x - 9y = 5 \\ 8x + 1y = -62 \end{cases}$

2. $\begin{cases} 4x + 2y = 2 \\ 7x + 3y = 8 \end{cases}$

3. $\begin{cases} y = -2x - 4 \\ y = -\frac{5}{3}x - \frac{10}{3} \end{cases}$

4. $\begin{cases} -x + 2y = 0 \\ -5x - 6y = -32 \end{cases}$

5. $\begin{cases} 6x - 3y = -9 \\ 10x - 3y = -5 \end{cases}$

6. $\begin{cases} 5x = 23 + 4y \\ 5x = 59 - 8y \end{cases}$

7. $\begin{cases} -3x + 8y = -59 \\ y = -\frac{5}{3}x + 11 \end{cases}$

8. $\begin{cases} x = -\frac{10}{7}y - \frac{57}{7} \\ x = -\frac{7}{8}y - \frac{43}{8} \end{cases}$

9. $\begin{cases} -9x = -27 \\ 9x = 27 \end{cases}$

10. $\begin{cases} -3y = -3 \\ -6x + 9y = 27 \end{cases}$

11. $\begin{cases} 9y = 8x + 111 \\ 6y = 5x + 72 \end{cases}$

12. $\begin{cases} -3x - 7y = 79 \\ 3x + 5y = -59 \end{cases}$