



Name: _____

Date: _____

Systems of Equations

$$\begin{aligned}1. \quad & 12x + 11y = -35 \\& 11x - 6y = -16\end{aligned}$$

$$\begin{aligned}2. \quad & 6x + 9y = -42 \\& 5x + 5y = -15\end{aligned}$$

$$\begin{aligned}3. \quad & 7x + 8y = 0 \\& 11x + 12y = 1\end{aligned}$$

$$\begin{aligned}4. \quad & 12x + 6y = -92 \\& 4x + 12y = -64\end{aligned}$$

$$\begin{aligned}5. \quad & 9x + 11y = 61 \\& 6x + 10y = 46\end{aligned}$$

$$\begin{aligned}6. \quad & 7x + 8y = -49 \\& 11x + 9y = -77\end{aligned}$$

$$\begin{aligned}7. \quad & 6x + 8y = 74 \\& 5x - 8y = -85\end{aligned}$$

$$\begin{aligned}8. \quad & 8x + 3y = 4 \\& 6x - 4y = 28\end{aligned}$$



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Systems of Equations

$$9. \begin{aligned} 12x + 4y &= -20 \\ 10x + 11y &= -17 \end{aligned}$$

$$10. \begin{aligned} 6x + 5y &= 40 \\ 10x - 9y &= 94 \end{aligned}$$



Systems of Equations – Answer Key

1. $12x + 11y = -35$

$11x - 6y = -16$

 $(-2, -1)$

2. $6x + 9y = -42$

$5x + 5y = -15$

 $(5, -8)$

3. $7x + 8y = 0$

$11x + 12y = 1$

 $(2.00, -1.75)$

4. $12x + 6y = -92$

$4x + 12y = -64$

 $(-6.00, -3.33)$

5. $9x + 11y = 61$

$6x + 10y = 46$

 $(4.33, 2.00)$

6. $7x + 8y = -49$

$11x + 9y = -77$

 $(-7, 0)$

7. $6x + 8y = 74$

$5x - 8y = -85$

 $(-1, 10)$

8. $8x + 3y = 4$

$6x - 4y = 28$

 $(2, -4)$



Systems of Equations – Answer Key

$$9. \begin{aligned} 12x + 4y &= -20 \\ 10x + 11y &= -17 \end{aligned}$$

(-1.65, -0.04)

$$10. \begin{aligned} 6x + 5y &= 40 \\ 10x - 9y &= 94 \end{aligned}$$

(7.98, -1.58)