



Name: _____

Date: _____

Systems_of_Equations – Medium (12 problems)

$$\begin{aligned}1. \quad 2x + 2y &= 40 \\6x - 6y &= 12\end{aligned}$$

$$\begin{aligned}2. \quad 5x + 2y &= 1 \\6x + y &= -10\end{aligned}$$

$$\begin{aligned}3. \quad 2x + 2y &= -16 \\4x - 6y &= -22\end{aligned}$$

$$\begin{aligned}4. \quad 6x + 5y &= -21 \\2x - 2y &= -18\end{aligned}$$

$$\begin{aligned}5. \quad 6x + 4y &= -16 \\2x + 4y &= -8\end{aligned}$$

$$\begin{aligned}6. \quad 3x + 5y &= -39 \\4x + 2y &= -38\end{aligned}$$

$$\begin{aligned}7. \quad x + 5y &= 17 \\x + 6y &= 18\end{aligned}$$

$$\begin{aligned}8. \quad 3x + 6y &= 69 \\4x + 2y &= 56\end{aligned}$$



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Systems_of_Equations – Medium (12 problems)

$$\begin{aligned} 9. \quad & x + 5y = 34 \\ & 5x + 6y = 75 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5x + 4y = 30 \\ & 5x - y = 55 \end{aligned}$$

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

$$\begin{aligned} 12. \quad & 5x + 2y = 16 \\ & 3x + 3y = 6 \end{aligned}$$



Systems_of_Equations - Medium (12 problems) - Answer Key

1. $2x + 2y = 40$

$6x - 6y = 12$

(11, 9)

2. $5x + 2y = 1$

$6x + y = -10$

(-3, 8)

3. $2x + 2y = -16$

$4x - 6y = -22$

(-7, -1)

4. $6x + 5y = -21$

$2x - 2y = -18$

(-6, 3)

5. $6x + 4y = -16$

$2x + 4y = -8$

(-2, -1)

6. $3x + 5y = -39$

$4x + 2y = -38$

(-8, -3)

7. $x + 5y = 17$

$x + 6y = 18$

(12, 1)

8. $3x + 6y = 69$

$4x + 2y = 56$

(11, 6)



Systems_of_Equations - Medium (12 problems) - Answer Key

$$\begin{aligned}9. \quad & x + 5y = 34 \\& 5x + 6y = 75 \\& \text{(9, 5)}\end{aligned}$$

$$\begin{aligned}10. \quad & 5x + 4y = 30 \\& 5x - y = 55 \\& \text{(10, -5)}\end{aligned}$$

$$\begin{aligned}11. \quad & x + y = -1 \\& 6x + 6y = -6 \\& \text{(-5, 4)}\end{aligned}$$

$$\begin{aligned}12. \quad & 5x + 2y = 16 \\& 3x + 3y = 6 \\& \text{(4, -2)}\end{aligned}$$