



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Systems\_of\_Equations – Medium (8 problems)

$$\begin{aligned}1. \quad & 5x + 2y = -24 \\& x - 6y = 40\end{aligned}$$

$$\begin{aligned}2. \quad & 6x + 5y = 9 \\& 5x - 2y = 26\end{aligned}$$

$$\begin{aligned}3. \quad & 4x + 2y = 56 \\& 4x - 2y = 40\end{aligned}$$

$$\begin{aligned}4. \quad & 6x + 5y = 97 \\& 5x + 3y = 75\end{aligned}$$

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

$$\begin{aligned}6. \quad & 6x + 5y = -35 \\& 2x + y = -7\end{aligned}$$

$$\begin{aligned}7. \quad & 4x + y = 4 \\& 6x + 5y = 34\end{aligned}$$

$$\begin{aligned}8. \quad & 6x + 2y = 14 \\& 2x + 6y = -6\end{aligned}$$



# Systems\_of\_Equations – Medium (8 problems) – Answer Key

$$1. \begin{aligned} 5x + 2y &= -24 \\ x - 6y &= 40 \end{aligned}$$

(-2, -7)

$$2. \begin{aligned} 6x + 5y &= 9 \\ 5x - 2y &= 26 \end{aligned}$$

(4, -3)

$$3. \begin{aligned} 4x + 2y &= 56 \\ 4x - 2y &= 40 \end{aligned}$$

(12, 4)

$$4. \begin{aligned} 6x + 5y &= 97 \\ 5x + 3y &= 75 \end{aligned}$$

(12, 5)

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

(-6, -2)

$$6. \begin{aligned} 6x + 5y &= -35 \\ 2x + y &= -7 \end{aligned}$$

(0, -7)

$$7. \begin{aligned} 4x + y &= 4 \\ 6x + 5y &= 34 \end{aligned}$$

(-1, 8)

$$8. \begin{aligned} 6x + 2y &= 14 \\ 2x + 6y &= -6 \end{aligned}$$

(3, -2)