



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

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

## Systems\_of\_Equations – Medium (16 problems)

$$\begin{aligned}1. \quad 5x + 3y &= 14 \\2x - y &= 21\end{aligned}$$

$$\begin{aligned}2. \quad 2x + 4y &= -24 \\2x - 6y &= 56\end{aligned}$$

$$\begin{aligned}3. \quad 4x + 2y &= 8 \\4x + 5y &= -10\end{aligned}$$

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

$$\begin{aligned}5. \quad 4x + 4y &= -12 \\2x + y &= -3\end{aligned}$$

$$\begin{aligned}6. \quad 6x + 2y &= 66 \\6x + 6y &= 66\end{aligned}$$

$$\begin{aligned}7. \quad x + y &= 6 \\5x - 2y &= 37\end{aligned}$$

$$\begin{aligned}8. \quad x + 5y &= 62 \\6x - 5y &= 22\end{aligned}$$



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$$\begin{aligned} 9. \quad & x + 2y = 22 \\ & 6x - 4y = 20 \end{aligned}$$

$$\begin{aligned} 10. \quad & 6x + y = 21 \\ & 2x - 4y = -32 \end{aligned}$$

$$\begin{aligned} 11. \quad & 3x + 3y = 3 \\ & 5x - 5y = 85 \end{aligned}$$

$$\begin{aligned} 12. \quad & 4x + 5y = 50 \\ & 6x - 5y = 50 \end{aligned}$$

$$\begin{aligned} 13. \quad & 6x + 3y = -15 \\ & x + 5y = 11 \end{aligned}$$

$$\begin{aligned} 14. \quad & 3x + 5y = 20 \\ & 3x + 2y = -1 \end{aligned}$$

$$\begin{aligned} 15. \quad & x + y = 3 \\ & 5x - 4y = -66 \end{aligned}$$

$$\begin{aligned} 16. \quad & 4x + 5y = 49 \\ & 2x - 4y = 18 \end{aligned}$$



# Systems\_of\_Equations - Medium (16 problems) - Answer Key

1.  $5x + 3y = 14$   
 $2x - y = 21$   
(7, -7)

2.  $2x + 4y = -24$   
 $2x - 6y = 56$   
(4, -8)

3.  $4x + 2y = 8$   
 $4x + 5y = -10$   
(5, -6)

4.  $x + 2y = 6$   
 $2x + 5y = 18$   
(-6, 6)

5.  $4x + 4y = -12$   
 $2x + y = -3$   
(0, -3)

6.  $6x + 2y = 66$   
 $6x + 6y = 66$   
(11, 0)

7.  $x + y = 6$   
 $5x - 2y = 37$   
(7, -1)

8.  $x + 5y = 62$   
 $6x - 5y = 22$   
(12, 10)



# Systems\_of\_Equations - Medium (16 problems) - Answer Key

9.  $x + 2y = 22$   
 $6x - 4y = 20$   
(8, 7)

10.  $6x + y = 21$   
 $2x - 4y = -32$   
(2, 9)

11.  $3x + 3y = 3$   
 $5x - 5y = 85$   
(9, -8)

12.  $4x + 5y = 50$   
 $6x - 5y = 50$   
(10, 2)

13.  $6x + 3y = -15$   
 $x + 5y = 11$   
(-4, 3)

14.  $3x + 5y = 20$   
 $3x + 2y = -1$   
(-5, 7)

15.  $x + y = 3$   
 $5x - 4y = -66$   
(-6, 9)

16.  $4x + 5y = 49$   
 $2x - 4y = 18$   
(11, 1)