



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

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

## Algebra 1 – Unit 5 – Systems of Equations (Medium)

$$\begin{aligned}1. \quad 4x + 6y &= 42 \\2x + 6y &= 36\end{aligned}$$

$$\begin{aligned}2. \quad 4x + 2y &= 34 \\5x + 6y &= 60\end{aligned}$$

$$\begin{aligned}3. \quad 5x + 6y &= -32 \\2x + y &= -3\end{aligned}$$

$$\begin{aligned}4. \quad 5x + 4y &= 39 \\4x - 4y &= 60\end{aligned}$$

$$\begin{aligned}5. \quad 2x + 3y &= -1 \\6x - y &= 7\end{aligned}$$

$$\begin{aligned}6. \quad 5x + 5y &= -20 \\6x + 6y &= -24\end{aligned}$$

$$\begin{aligned}7. \quad 5x + 5y &= 45 \\3x - 5y &= 27\end{aligned}$$

$$\begin{aligned}8. \quad 3x + 4y &= -5 \\4x - 5y &= 45\end{aligned}$$



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## Algebra 1 – Unit 5 – Systems of Equations (Medium)

$$\begin{aligned} 9. \quad 3x + 6y &= 60 \\ x - y &= -4 \end{aligned}$$

$$\begin{aligned} 10. \quad 4x + 6y &= -10 \\ 5x - 6y &= -26 \end{aligned}$$

$$\begin{aligned} 11. \quad 6x + 6y &= 18 \\ 4x - 3y &= 40 \end{aligned}$$

$$\begin{aligned} 12. \quad 6x + 4y &= 52 \\ 6x - 5y &= 97 \end{aligned}$$

$$\begin{aligned} 13. \quad 3x + 4y &= 57 \\ 2x + 4y &= 50 \end{aligned}$$

$$\begin{aligned} 14. \quad 4x + 5y &= 11 \\ 5x + y &= 40 \end{aligned}$$

$$\begin{aligned} 15. \quad 2x + 2y &= 16 \\ 6x - 3y &= 48 \end{aligned}$$

$$\begin{aligned} 16. \quad 4x + 2y &= -14 \\ 2x + 5y &= 13 \end{aligned}$$



# Algebra 1 – Unit 5 – Systems of Equations (Medium) – Answer Key

1.  $4x + 6y = 42$

$2x + 6y = 36$

(3, 5)

2.  $4x + 2y = 34$

$5x + 6y = 60$

(6, 5)

3.  $5x + 6y = -32$

$2x + y = -3$

(2, -7)

4.  $5x + 4y = 39$

$4x - 4y = 60$

(11, -4)

5.  $2x + 3y = -1$

$6x - y = 7$

(1, -1)

6.  $5x + 5y = -20$

$6x + 6y = -24$

(-3, -1)

7.  $5x + 5y = 45$

$3x - 5y = 27$

(9, 0)

8.  $3x + 4y = -5$

$4x - 5y = 45$

(5, -5)



# Algebra 1 – Unit 5 – Systems of Equations (Medium) – Answer Key

$$\begin{aligned} 9. \quad 3x + 6y &= 60 \\ x - y &= -4 \\ (4, 8) \end{aligned}$$

$$\begin{aligned} 10. \quad 4x + 6y &= -10 \\ 5x - 6y &= -26 \\ (-4, 1) \end{aligned}$$

$$\begin{aligned} 11. \quad 6x + 6y &= 18 \\ 4x - 3y &= 40 \\ (7, -4) \end{aligned}$$

$$\begin{aligned} 12. \quad 6x + 4y &= 52 \\ 6x - 5y &= 97 \\ (12, -5) \end{aligned}$$

$$\begin{aligned} 13. \quad 3x + 4y &= 57 \\ 2x + 4y &= 50 \\ (7, 9) \end{aligned}$$

$$\begin{aligned} 14. \quad 4x + 5y &= 11 \\ 5x + y &= 40 \\ (9, -5) \end{aligned}$$

$$\begin{aligned} 15. \quad 2x + 2y &= 16 \\ 6x - 3y &= 48 \\ (8, 0) \end{aligned}$$

$$\begin{aligned} 16. \quad 4x + 2y &= -14 \\ 2x + 5y &= 13 \\ (-6, 5) \end{aligned}$$