



Name: _____

Date: _____

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

$$\begin{aligned}1. \quad 2x + 3y &= -24 \\6x + 6y &= -48\end{aligned}$$

$$\begin{aligned}2. \quad x + 2y &= 24 \\6x + 3y &= 90\end{aligned}$$

$$\begin{aligned}3. \quad 4x + 5y &= 24 \\x + 6y &= -13\end{aligned}$$

$$\begin{aligned}4. \quad 2x + y &= 0 \\4x - 5y &= -56\end{aligned}$$

$$\begin{aligned}5. \quad 5x + 4y &= 52 \\6x + 5y &= 63\end{aligned}$$

$$\begin{aligned}6. \quad 6x + 6y &= 18 \\4x + 2y &= 28\end{aligned}$$

$$\begin{aligned}7. \quad 6x + 3y &= 15 \\5x - 5y &= 5\end{aligned}$$

$$\begin{aligned}8. \quad x + 2y &= 29 \\5x - 2y &= 1\end{aligned}$$



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$$\begin{aligned} 9. \quad 4x + y &= 21 \\ 5x + 4y &= 40 \end{aligned}$$

$$\begin{aligned} 10. \quad 4x + 3y &= 17 \\ 4x - 6y &= 62 \end{aligned}$$

$$\begin{aligned} 11. \quad 5x + 6y &= -33 \\ 4x + 6y &= -36 \end{aligned}$$

$$\begin{aligned} 12. \quad 5x + 5y &= 55 \\ 6x + 4y &= 52 \end{aligned}$$

$$\begin{aligned} 13. \quad 4x + 3y &= 18 \\ 6x - 2y &= -38 \end{aligned}$$

$$\begin{aligned} 14. \quad 5x + 5y &= 30 \\ 3x - 3y &= 30 \end{aligned}$$

$$\begin{aligned} 15. \quad 3x + 2y &= 30 \\ 2x - 4y &= 20 \end{aligned}$$

$$\begin{aligned} 16. \quad 6x + y &= 22 \\ 5x - 6y &= 32 \end{aligned}$$



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

1. $2x + 3y = -24$
 $6x + 6y = -48$
 $(0, -8)$

2. $x + 2y = 24$
 $6x + 3y = 90$
 $(12, 6)$

3. $4x + 5y = 24$
 $x + 6y = -13$
 $(11, -4)$

4. $2x + y = 0$
 $4x - 5y = -56$
 $(-4, 8)$

5. $5x + 4y = 52$
 $6x + 5y = 63$
 $(8, 3)$

6. $6x + 6y = 18$
 $4x + 2y = 28$
 $(11, -8)$

7. $6x + 3y = 15$
 $5x - 5y = 5$
 $(2, 1)$

8. $x + 2y = 29$
 $5x - 2y = 1$
 $(5, 12)$



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

9. $4x + y = 21$
 $5x + 4y = 40$
(4, 5)

10. $4x + 3y = 17$
 $4x - 6y = 62$
(8, -5)

11. $5x + 6y = -33$
 $4x + 6y = -36$
(3, -8)

12. $5x + 5y = 55$
 $6x + 4y = 52$
(4, 7)

13. $4x + 3y = 18$
 $6x - 2y = -38$
(-3, 10)

14. $5x + 5y = 30$
 $3x - 3y = 30$
(8, -2)

15. $3x + 2y = 30$
 $2x - 4y = 20$
(10, 0)

16. $6x + y = 22$
 $5x - 6y = 32$
(4, -2)