



Name: _____

Date: _____

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

1. $2x + 3y = -24$
 $6x + 6y = -48$

2. $x + 2y = 24$
 $6x + 3y = 90$

3. $4x + 5y = 24$
 $x + 6y = -13$

4. $2x + y = 0$
 $4x - 5y = -56$

5. $5x + 4y = 52$
 $6x + 5y = 63$

6. $6x + 6y = 18$
 $4x + 2y = 28$

7. $6x + 3y = 15$
 $5x - 5y = 5$

8. $x + 2y = 29$
 $5x - 2y = 1$



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

9. $4x + y = 21$
 $5x + 4y = 40$

10. $4x + 3y = 17$
 $4x - 6y = 62$

11. $5x + 6y = -33$
 $4x + 6y = -36$

12. $5x + 5y = 55$
 $6x + 4y = 52$

13. $4x + 3y = 18$
 $6x - 2y = -38$

14. $5x + 5y = 30$
 $3x - 3y = 30$

15. $3x + 2y = 30$
 $2x - 4y = 20$

16. $6x + y = 22$
 $5x - 6y = 32$



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)