Solving Systems of Equations by Substitution Day 2 Practice

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

Solve each system by substitution.

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

 y = -4x + 10 -2x + y = -5

3. x – y = 4 4. y = -2x + 3

 2x – 2y = 8 4x + 4y = 8

5. 3x + y = 5 6. -3x – 4y = 2

 y = -3x + 2 3x + 3y = -3

7. -5x – 8y = 17 8. x + y = 6

 2x – 7y = -17 4x + 4y = 24

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Solving Systems of Equations by Substitution Day 2 Practice Answers

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

Solve each system by substitution.

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

 y = -4x + 10 -2x + y = -5

(1, 6) (-3, -11)

3. x – y = 4 4. y = -2x + 3

 2x – 2y = 8 4x + 4y = 8

infinitely many (1, 1)

5. 3x + y = 5 6. -3x – 4y = 2

 y = -3x + 2 3x + 3y = -3

no solution (-2,1)

7. -5x – 8y = 17 8. x + y = 6

 2x – 7y = -17 4x + 4y = 24

(-5, 1) infinitely many

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