Day 3 – Solving Systems Using Substitution   **Name:** _____

Practice Assignment   **Date:** _____ **Block:** _____

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a. **Review:** Solve the equation: $x - 1 = 5x + 3x - 8$ b. **Review:** Put into slope intercept form: $4x - 5y = -20$

Directions: Solve each system using substitution. Write your solution as an ordered pair unless the system has no or infinite solutions.

1. $y = x - 1$ 2. $4x + y = 0$

   $x + y = 3$ $x = -2y - 7$

Solution: **Solution:**

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3. $x = -5y + 4$ 4. $y = -x - 2$

   $3x + 15y = -1$ $y = 4x + 3$

Solution: **Solution:**

5. x + y = 16

    y = -x + 1

6. y = 3x – 7

    3x – y = 7

Solution:

Solution:

7. y = -2x + 6

    3x – y = 9

8. y = -6x - 3

    y = -x + 2

Solution:

Solution:

9. y = -3x + 25

   -x + 2y = -20

10. x = y - 4

    x + 2y = 2

Solution:

Solution: