Solving Equations with Variables on Both Sides Practice 2

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

Solve each equation. Show your work.

1. -2x + 15 = -4x – 3

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1. 3y + 7 = 2y + 8
2. 3(x + 5) = 3x + 12

1. 3x – 5 = 7x + 7
2. 4x + 7 – 2x = 3 + 2x + 4
3. b – 4 = -9 + b
4. 2(4y – 3) – 8 = 2y + 4
5. 4x – 16 = 4(x - 4)



1. b – 4 = -9 + b

no solution

7. 2(4y – 3) – 8 = 2y + 4

3

1. 4x – 16 = 4(x - 4)

Infinitely many solutions