

Algebra I
3.5 Warm-Up
Addition and Subtraction Equations

Name: _____

Date: _____ Hour: _____

Use the Addition and Subtraction Properties of Equality to solve each equation.
Show your work. Box and check your solutions.

1. $y + 7 = 15$

2. $y - 7 = 8$

3. $y + 15 = 7$

4. $y - 15 = 7$

5. $x - 3 = 10$

6. $x - 10 = 3$

7. $x + 3 = 10$

8. $x + 10 = 3$

over

9. $18 = b - 4$

10. $-6 = c + 5$

11. $y - \frac{1}{3} = \frac{1}{2}$

12. $y - \frac{3}{5} = \frac{7}{10}$

Write the equation for each situation and then solve it.

13. The odometer of your car registered 49,116 miles before your 264-mile trip. What did the odometer register after the trip? Let x = odometer reading after trip

equation: $x - 264 = 49116$
(solve for x)

$x =$ _____

14. A pair of shoes cost \$59.95 plus tax. If the change is \$0.55 from \$65, how much was the tax? Let x = tax

equation: $59.95 + x = 65 - 0.55$
(solve for x)

$x =$ _____

15. If you add 6 to a number and then subtract -8 from the result, you get 13. What is the number? Let x = the number

equation: _____
(solve for x)

$x =$ _____

16. The temperature changed -2°C . Then it changed -5°C . The resulting temperature was 20°C . What was the starting temperature? Let x = starting temperature

equation: _____
(solve for x)

$x =$ _____

