

Use the Addition and Subtraction Properties of Equality to solve. Show your work.

Box and check your solutions.

Part A.

1. $x + 5 = 11$

2. $2 + h + 3 = 60$

3. $15 = p + 6$

4. $20 = 5 + x + -4$

5. $x + -9 = 11$

6. $-8 + c + 7 = -12$

7. $-12.4 + s = -14$

8. $p + -5.7 = -2.3$

Part B.

1. $x + -54 = -64$

2. $\frac{9}{4} + y = \frac{3}{4}$

3. $6 + a + -15 = 27$

4. $7.4 = x + 3.8$

5. $-2 + m = 9$

6. $a + -41 = -41$

7. $-0.8 + r = 4.8$

8. $-18 = 22 + d + -4$

9. Solve for a :
 $a + b = 220$

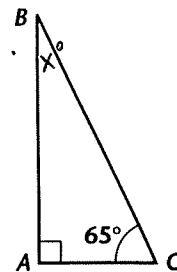
10. Solve for t :
 $t + q = u$

For 11-15, write an equation then use the Addition and Subtraction Properties of Equality to solve. Show your work. **Box and check** your solutions.

11. Brian, Kevin, Paul, and Todd have saved \$345 for a camping trip. Of this amount, Brian contributed \$62, Kevin added \$30, Paul contributed $\$P$, and Todd put in \$16. How much money did Paul contribute? Let P = the amount that Paul contributed.

12. The temperature today is 20° . Yesterday it was -9° . Let c be the change in temperature. What is c ?

13. The sum of the angles of a triangle is 180° . What is the measure of angle ABC ? Let x = the measure of angle B .



14. A triangle has sides of 13, 8, and y . The perimeter is 28.

15. Peggy opened a savings account with \$40. She made a deposit of x dollars, and withdrew \$20. Her balance now is \$90.