

**Solving Equations**

Name \_\_\_\_\_ Pd \_\_\_\_\_

To solve an equation means to isolate the variable on one side of the equation. You can do this by using the addition/subtraction property of equality.

**Solve and check each equation.**

1.  $w + 14 = -8$

2.  $y + (-10) = 6$

3.  $-11 = a + 8$

4.  $-13 + h = -5$

5.  $-2.3 = x + (-1.1)$

6.  $-7 = -16 - k$

7.  $m - (-13) = 37$

8.  $z + (-13) = -27$

9.  $p - (-27) = 13$

10.  $41 = 32 - r$

**Check the following answers to determine if they are correct. If they are incorrect, solve the equation, show your work, and circle your answer.**

11.  $y + (-7.5) = -12.2$

12.  $b - (-8) = 23$

**$y = -4.7$**

**$b = 31$**

13.  $x + 15 = -6$

14.  $d + 16 = 14$

**$x = -9$**

**$d = -2$**

15.  $r - (-27) = 13$

**$r = -14$**