

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. $r - (-27) = 13$

$r = -14$