

Name: _____ Period: _____

Score: _____ / _____ %

HW 1-5: Multi-Step Equations

(Like Terms & Distributive Property)

Determine whether the solution given for the equation is correct. If the solution is not correct, solve to find the correct solution.

1. Solution: $v = 10$

Equation: $8 = 8v - 4(v + 8)$

2. Solution: $r = \frac{1}{2}$

Equation: $6r - 1 + 6r = 11$

3. Solution: $x = 0$

Equation: $-10 = -14x + 14x$

Solve for the unknown quantity.

4. $10y - 4y = 24$

9. $7 = 6x - 5x$

5. $4f - 7f = -12$

10. $9(j - 4) = 81$

6. $3h - 8h = 18$

11. $5a + 2a - 3 = 11$

7. $3(2 + n) + 5n = 22$

12. $43 = 3(x + 2) + 2(2x + 1)$

8. $5c + c = 30$

13. $310 = 100m + 100m - 50$

14. $36 = 9v + 6 + 6v$

21. $2n + n + 3(n + 4) = 24$

15. $2(m + 3) = 20$

22. $6(y - 3) = -6$

16. $15 = -2(h + 3) + 4$

23. $8m - \frac{1}{2}(24 + 4m) = 72$

17. $38 = 3(x + 2) + 5x$

24. $4(w - 1) = -8$

18. $3(m + 3) - 5 = 16$

25. $100j + 40 - 99j = 50$

19. $8b - 6b = 18$

26. $-12(k + 4) = 60$

20. $3h + 5 - 2(3h + 2) = 0$

27. $\frac{2}{3}(9x + 6) = 13$