

Name: _____

Date: _____

Algebra I

Directions: Solve and check.

1. $3(n - 7) = 27$

7. $64 = 4\left(\frac{3}{4}n + 7\right)$

2. $2\left(\frac{n}{4} + 6\right) = 24$

8. $9n + 10n = 95$

3. $4(n + 2) = 16$

9. $6n - 4n = 32$

4. $9n - 5 = 40 - n$

10. $4n + 8 = 12n - 16$

5. $2(n + 7) - 8 = 22$

11. $8n - (3n - 6) = 16$

6. $5 - \frac{1}{2}n + n = 12 - n$

12. $4(2n + 1) - 3(2n - 5) = 29$

$$13. 12n - 4n = 108$$

$$14. 2n = 36 + 5n$$

$$15. 26 = 3n + 2n - 9$$

$$16. 7n - (2n + 6) = 19$$

$$17. \frac{3n}{5} + 8 = 14$$

$$18. 15 = -\frac{1}{6}n - 8$$

$$19. \frac{5n-9}{2} + 8 = 36$$

$$20. 4n + 6(n - 2) = 2(n - 18)$$