Algebra   **Name:** _____

Solving Equations   **Period:** _____

Solve. SHOW WORK. If the equation is an Identity or has No Solution, write Identity or No Solution.

1. $y - 7 = 9$ 2. $w + 23 = 54$ 3. $9 + t = 20$

4. $-3x = 18$ 5. $7b = -35$ 6. $\dfrac{x}{3} = 12$

7. $5x - 8 = 12$ 8. $-2p - 5 = -11$ 9. $\dfrac{2}{5}x + 4 = 8$

10. $5x = 5x - 5$ 11. $15 = -t + 3$ 12. $0 = -8t + 48$

13. $-x + 7x = 24$

14. $5x - 10 = 5(x - 2)$

15. $9c + 4 = 3c - 8$

16. $\dfrac{3y}{4} - \dfrac{y}{2} = 5$

17. $3(5x - 2) - 6x = 3(3x + 2)$

18. $0.36p + 0.26 = 3.86$

19. $2n + 3 + 4n = 2n + 5 + 4n - 2$

20. $7s - (3s + 1) = 4(3 + s)$