Name:

Algebra

Section 2.3

**Solve each equation. If the equation is an identity or if it has no solution, write identity or no solution**

1. 8a = 2a + 30 2. 2b = 80 – 8b

3. 3x = 27 – 15x 4. 51 = 9 – 3x

5. 39c + 78 = 33c 6. -7a = -12a – 65

7. 5p – 9 = 2p + 12 8. 89 + x = 2 – 2x

9. 5n + 1 = 5n – 1 10. 4(y – 6) = 7y

11. 7(2 – m) = 3m 12. 8(5 – n) = 2n

13. (x – 2) / 3 = x 14. (6 – 4y) / 2 = y

15. (23 – 11c) / 7 = 5c 16. ¼(20 – 4a) = 6 – a

17. 3(30 + s) = 4(s + 19) 18. 2(g – 2) – 4 = 2(g – 3)

19. 3(2 + v) – 4v = v + 16 20. 4(3y – 1) + 13 = 5y + 2

21. 5x + 2(1 – x) = 2(2x – 1) 22. 4(a + 2) = 14 – 2(3 – 2a)