Name: _____ Class: _____ Date: _____

2nd 9 Weeks Test 1 Study Sheet   38 problems (6 on back)

Short Answer

Combine like terms.

1. $8a + 10 - a - 6$

2. $8z + 10 - 7z - 4$

3. $6a + 8t + 2a - 4t + 5$

4. $7a + 9t + 2a - 2t - 6$

5. Simplify $4(9a + 2) - 2a$.

6. Simplify $6(4x + 4) + x$.

7. Simplify $9(5a - 5) - 5a$.

8. Solve $n - 9 = 82$. Check your answer.

9. Solve $s - 4 = 45$. Check your answer.

10. Solve $12n = 48$.

11. Solve $3m = 45$.

12. Solve $\dfrac{n}{3} = 41$.

13. Solve $\dfrac{s}{2} = 10$.

14. Solve $6y + 7 = 49$.

15. Solve $\dfrac{y}{7} - 7 = 20$.

16. Solve $5t + 2t = 49$.

17. Solve $10y - 2y = 40$.

18. Solve $8x - 5x = 30$.

Solve.

19. $v - (-13) = 4$

20. $x + (-19) = 20$

21. $-25 + s = -19$

22. $-6 + s = 21$

23. $-2a = 16$

24. $-4a = -40$

25. $\dfrac{s}{4} = 12$

26. $\dfrac{x}{-12} = 9$

27. Solve the following equation.
$y - 15.5 = 5.1$

28. Solve the following equation.
$7.3p = -65.7$

29. Solve the following equation.
$\dfrac{t}{17.8} = 15.6$

30. Solve the following equation.
$x - \dfrac{11}{14} = -\dfrac{5}{7}$

31. Solve the following equation.
$x - \dfrac{3}{5} = \dfrac{1}{4}$

32. Solve the following equation.
$x - \dfrac{5}{8} = \dfrac{6}{13}$

33. Solve the following equation.

$$x - \frac{1}{2} = -\frac{13}{15}$$

34. Solve the following equation.

$$\frac{3}{4}w = -\frac{2}{5}$$

35. Solve $4(3x + 5) = 44$

36. Solve $4(2x + 3) - 3x = 47$.

37. Solve $4(6x - 3) = 5(4x + 6) + 2$.

38. Solve $4(3x - 9) + 3x = 5(2x + 3) + 2x$