***Solving Equations with Variables on Both Sides of the Equal Sign (Notes):***

1. 2 – 3b = 7b + 12 2. 2f + 3 = 11f – 24 3. 2a – 3 = 9a – 10 4. 9y – 27 = **-** 2y + 6

5. - s + 3 = 5s + 21 6. 33g+ 28 = 25g – 12 7. c – 2 = 3c + 14 8. 3x + 2 = 5x

9. 5a = 45 + 2a 10. 30 – 2n = 4n 11. 7y – 8 = 7y + 9 12. 14 – (2q + 5) = - 2q + 9

13. Four more than 6 times a number is the same as 9 times the number increased by 10. Write the

 equation and solve. Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. Eight times a number is the same as 90 decreased by the number. Write the equation and solve.

 Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_

15. Four times a number is the same as 14 less than twice the number. Write the equation and solve.

 Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Twice the sum of a number and 3 is the same as 11 increased by the number. Write the equation

 and solve. Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_