***Solving Equations by Combining Like Terms and Distributive Property Homework:***

1. 2(g – 7) = 16 2. 5(x + 2) = 30 3. 3(2d + 7) = 39 4. 4(a – 2) = 3(a + 4)

5. 3(f+ 2) + 9 = 13 + 5f 6. 2(x – 4) = 3(1+ x) 7. 2n + 5 = 4(n+2) – n

8. 4(x+ 3) = x 9. 2(c – 3) = 76 10. 7(x – 2) = 5(x + 2)

11. 2(6x + 1) = 4(x – 5) – 2 12. 4(2b – 6) + 11 = 8b – 13 13. $ \frac{2 }{3}$a+ 2 = $\frac{1}{3}$ (4a + 1)

14. 9t – 21 = 3(t – 7) + 6t 15. 3(4k + 14) = 10k – 2(k – 7)

16. Three times the sum of a number and – 7 is 12. Write the equation and solve.

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

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

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

18. Seven times the sum of a number and 4 is the same as 8 decreased by three times the number. Write the equation and solve. Equation: \_\_\_\_\_\_\_\_\_\_\_