***Solving Two-Step Equations HW---Show Work for Credit***

1. 3x + 10 = 1 2. $\frac{a}{5}$ + 8 = 9 3. 8w – 12 = - 4 4. $\frac{r+6}{2}$ = 5

5. 18 – 2q = 4 6. 3j – 20 = 16 7. $\frac{u}{12}$ – 8 = - 8 8. 7p + 11 = - 31

9. 15 + 12d = 3 10. 4c + 20 = 0 11. $\frac{n-9 }{2}$ = - 5 12. – 19 + 10b = 11

13. – 12 = 2h + 10 14. 15 = 6k – 9 15. $\frac{w}{- 5}$ – 4 = - 2 16. – 2 = 12 – 7y

17. 5x – 8x + 7 = 22 18. 13 = 5x + 4 – 8x 19. Is 90 a solution to the following

 equation:

 15 = $\frac{x}{- 5 }$ - 3

20. The sum of four times a number and 16 is 100. Write the equation and solve the equation.

21. The difference of three times a number and 23 is 34. Write the equation and solve the equation.

22. The sum of one-half a number and 27 is forty. Write the equation and solve the equation.

23. How old am I if 400 reduced by two times my age is 244? Write the equation and solve the equation.