***Solving Equations Mixed Review:***

1. 8 – 2x = 20 2. – 81 = - 3x – 9 3. $\frac{m}{- 2}$ + 3 = - 1 4. 8 = $\frac{x}{3}$ – 4

5. 8x – 3x + 5 = - 35 6. – 12 = 5p – 3 - 8p 7. 3x + 2(x +8) = 26 8. 9 = 4(a – 4) + 31

9. – 2(t + 2) = 6 10. $\frac{x-4}{16}$ = 10 11. 6(3x – 13) = 8(12x – 8) 12. 7x + 22 = - 4x

13. – 4(3x – 6) = - (24 + 8x) 14. $\frac{3}{4}$ (4x – 12) = 5(x + 7) 15. – 4(x – 3) = x

16. 3x – 6x + 12 = 3x – 4x + 10 17. – 31d + 25 = - 15d + 17 18. – 4(3x – 6) = - (24 + 8x)

19. 5(x + 15) = 50 + 3(6 + 3x) 20. 5n + 3= 2(n + 2) – 3n

21. One-fifth of a number is 14. Write the equation and solve. Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. A store is selling a TV for $389. This is $64 less than the regular price. What is the regular price?

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

23. Six decreased by 9 times a number is – 39. Write the equation and solve. Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_

24. Twice a number plus 6 times the number is – 72. Write the equation and solve. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. One increased by 7 times a number is the same as 5 times the number plus 25. Write the equation

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

26. Seven times by the sum of a number and 4 is the same as 8 decreased by 3 times the number. Write

 The equation and solve. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

27. The length of a rectangle is 5 centimeters more than twice the width. The perimeter is 82

 centimeters. Find the length and width.

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