Name_____ Date _____

Mr. Tallman

Do Now

Solve and Check the following equations.

1) 9x – 3 = 60

2) $\frac{x}{9} - 17 = 21$

Lesson #51 – Solving Equations While Combining Like Terms

Warm Up: Simplify the following by combining like terms.

A) 6x – 8 + 12x	B) -12 + 4y + 10

Example 1) Solve and Check: 4x + 3x = 560

Example 2) Solve and Check: 3x – 8 + 5x = -32

Example 3) 8 – 20x + 112 + 15x = -73

Now, You Try!

Solve and check each equation.

4) 6x + 3x = 18	5) -10x -5x = 45
6) -15 + 3x – 7x = -43	7) 2x – 11 + 19 = 32
8) -20 + 32 – 5x = -18	9) 5x + 7 – 2x + 1 = 12

10) Find and fix the error:

$$10a + 3 - 8 = 15$$

$$13a - 8 = 15$$

$$13a = 23$$

$$a = 1.8$$