Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7
Chapter 4 – Expressions & Equations Notes #15

**Multi-Step Equations**

**STEPS** to solving:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each side of the equation.
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_ using inverse operations.
3. \_\_\_\_\_\_\_\_\_

**Examples:** Solve showing all work.

1. 9(2y - 6) = 36
2. 7(w - 2) + 10w = 54

**CHECK #2**

1. 42 = -6 - 2(2n - 4)

**CHECK #3**

1. -36 = -$ \frac{3}{2}$ n + $\frac{1}{2}$(n + 6)

**HW - YOUR TURN:**

1. 2(x + 8) + 3x = 36

**CHECK #1**

2) 2.1(f - 3) + 3.3f = 4.5

3) 9p - 4(p + 3) = 13

4) - $ \frac{1}{8} $(a +$ \frac{1}{2}$ ) = $\frac{9}{16}$

5) -12 = 8 - 2(x + 1)