**Lesson 2.4a Adding/Subtracting Scientific Notation**

**Steps:**

1. Make sure that scientific notation has the same power. If not, change the base to affect the exponent.
2. Add/subtract the bases
3. Make sure the base is between 1 & 10 multiplied by the power of 10.

Ex 1: (1.2 \* $10^{5}$) + (9.5 \* $10^{4}$)

 Step 1 – (1.2 \* $10^{5}$)

 12 \* $10^{4}$

 Step 2 – (12+9.5) \* $10^{4}$

 21.5 \* $10^{4}$

 Step 3 – (21.5 \* $10^{4}$)

 2.15 \* $10^{4+1}$

 2.15 \* $10^{5}$

Ex 2: (0.58 \* $10^{7}$) – (4.3 \* $10^{6}$)

 Step 1 – (0.58 \* $10^{7}$)

 5.8 \* $10^{7-1}$

 5.8 \* $10^{6}$

 Step 2 – (5.8 – 4.3) \* $10^{6}$

 1.5 \* $10^{6}$