**Mental Math - compute and then write in correct scientific notation**

Ex/ 1.2 x 105

4 x 10-2

= 12 x 10-1 x 105

4 x 10-2

= 3 x 10-1 x 105 / 10-2 **3 x 10(-1 + 5 -(-2)) =** = **3 x 106**

5 x 10-3  x 5 x 10-7 2.5 x 10-3  x 5 x 10-7 3 x 10-3  x 9 x 10-8

(0.001)2 9 x 10-10 (0.01)(0.002)

2 x 10-3 3 x 102 4 x 10-5

5 x 10-5 (0.1)2 500 / 2 x 10-3

(0.1)2 5 x 10-4

**Mental Math - compute and then write in correct scientific notation**

Ex/ 1.2 x 105

4 x 10-2

= 12 x 10-1 x 105

4 x 10-2

= 3 x 10-1 x 105 / 10-2 = **3 x 10(-1 + 5 -(-2)) =** = **3 x 106**

5 x 10-3  x 5 x 10-7 2.5 x 10-3  x 5 x 10-7 3 x 10-3  x 9 x 10-8

(0.001)2 9 x 10-10 (0.01)(0.002)

2 x 10-3 3 x 102 4 x 10-5

5 x 10-5 (0.1)2 500 / 2 x 10-3

(0.1)2 5 x 10-4