**Using Scientific Notation**

**Write each answer to these calculations in *scientific notation.***

1) ( 8.18 × 10−6)( 1.15 × 10−5) 2) ( 5.8 × 10−6)(2 × 104)

3) ( 0.8 × 104)( 1.28 × 106) 4) ( 3.8 × 10−6)( 2.37 × 10−3)

5) (1.9 × 10−3)( 2 × 104) 6) ( 9.2 × 105)( 4 × 10−3)

7) 7.8 × 104 / 8 × 101 8) 5.3 × 103 / 7.65 × 105

9) 4.6 × 102 + 5.01 × 10−3 10) 7.6 × 100 + 5.4 × 10−6

11) 5.5 × 10−1 + 5.3 × 102 12) 2.04 × 10−1 + 2 × 10−2

**Write the following numbers in proper scientific notation:**

1) .00012

2) 1000

3) 0.01

4) 12

6) 596

7) .000007

8) 1,000,000

9) .001257

10) 987,653,000,000

11) 80

**Express each of the following numbers in standard notation:**

1) 4.9 x 10**2**

2) 3.75 x 10**-2**

3) 5.95 x 10**-4**

4) 9.46 x 10**3**

5) 3.87 x 10**1**

6) 7.10 x 10**0**

7) 8.2 x 10**-5**

8) 6.74 X 10-4

9) 7.85 X 107

10) 6.000102 X 103

11) 5.6 X 10-6