Part I: Change the following to proper scientific notation.

1. 65.7
2. 0.00545
3. 22,450,000

Part II: Change the following to standard notation.

1. 8.85 X 104
2. 1.847 X 102
3. 3.40 X 10-3

Part III: Perform the following calculations.

1. (6.8 X 103)(4.54 X 106)
2. (2.0 X 10-1)(8.5 X 105)
3. (2.00 X 103)(4.00 X 104)
4. (4.3 X 103)(2.0 X 106)
5. (0.8 X 104)(1.28 X 106)
6. 7.8 X 104

8 X 101

1. 5.3 X 103

7.65 X 105

1. 7.6 X 100

5.4 X 10-6

1. 4.6 X 102

5.01 X 10-3

1. 1.67 X 104

0.051 X 103

1. 3.76 X 104 + 5.5 X 102
2. 3.95 X 105 + 7.8 X 103
3. 2 X 10-3 + 8 X 10-4
4. 6.423 X 101 + 5.001 X 101
5. 5.54 X 107 + 1.01 X 108
6. 3.67 X 102 – 1.6 X 101
7. 4.8 X 105 – 9.7 X 104
8. 8.41 X 10-5 – 7.9 X 10-6
9. 1.33 X 105 – 4.9 X 104
10. 1.0 X 105 – 0.54 X 104