**Scientific Notation and Significant Figures**

Put each of the following into correct Scientific Notation.

1. 3427 4. 0.00456

**3.427 x 103 4.56 x 10-3**

1. 123,453 5. 0.000000872

**1.23453 x 105 8.72 x 10-7**

1. 3100.0 x 102 6. 0.0114 x 104

**3.1000 x 105 1.14 x 102**

Convert the following to Decimal Form

7. 1.56 x 104 9. 0.56 x 10-2

**15,600 .0056**

8. 0.00259 x 105 10. 736.9 x 105

**259 73,690,000**

Tell how many Significant Figures are in each of the following.

11. 23.8 14. 0.5020

**3 4**

12. 310 15. 3.03 x 104

**2 3**

13. 0.00230 16. 2100.0

**3 5**

Calculate the following and make sure your answer has the correct number of Significant Figures.

17. 23.1 + 4.900 + 17.34 = **45.3** 18. 9.80 – 4.762 = **5.04**

19. (3.9 x 103) x (6.05 x 102) x 420 = **9.9 x 108** 20. 14.1 / 5 = **3**