**Chemistry Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unit 0 Make Up Review**

 **Period\_\_\_\_\_\_**

Convert to scientific notation or standard notation:

1) 48,000 10) 9.10 x 10¯6

2) .00000510 11) 3.001 x 103

3) 20400000 12) 6.52 x 105

4) 0.000709 13) 7.27 x 107

5) 5,070,000 14) 3.86 x 10¯2

6) 0.000000000037 15) 2.511 x 104

7) 70,100 16) 4.82 x 10¯11

8) 0.00044 17) 9.12 x 1010

9) 26,000,000,000,000

Identify the number of significant figures:

18) 7.8800 22) 0.004030

19) 0.000210 23) 8.2x 109

20) 5.30 x 10¯5 24) 4500

21) 81,660 25) 780,000,000

35) A mustang is traveling at 120 dkm/min. A grizzly is moving at 230 mm/sec. and a bobcat is cruising at 9 km/hour. How fast is each going in Meters/second?

Calculations: Round your answers to the correct number of significant digits.

36) (3.55 x 10¯5) x (5.18 x 10¯8)

37) (6.87 x 107) ÷ (2.6 x 1015)

38) (8.41 x 106) x (5.02 x 1012)

 (9.21 x 10¯4) ÷ (7.60 x 105)