**Homework #3 Chemistry 1114 section 2 (Fong) due Friday 8 Sept 2017 10 pts (in class)**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_answers\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2.1 Compute the following calculations to the correct significant figure count:**

**(2 pts each)**

**300 + 0.100 -0.0100 + 1 = \_\_\_\_\_\_300\_\_\_\_\_\_\_\_\_\_\_\_**

**6.000\* 3.0\*4.00 =3.6🡪 \_\_\_\_\_\_\_4\_\_\_\_\_\_\_\_\_\_\_\_**

**2\*101 1 sig fig**

**1 sig fig**

***110(2 sig fig) (2 sig fig)***

**(102 +9 -1.00)\*5.0 = \_\_\_\_\_\_22\_\_\_\_\_\_\_\_\_\_\_\_**

**25.00000 7 sig fig 2 sig fig**

**2.2 Define `element’ (1 pt)**

**1) An element cannot be changed into another element by chemical means**

**2)An element cannot bee made to lose weight by any chemical means**

**2.3. Name us (1 pt each/3 pts total) See page 60-68 (Binary naming)**

**I will cover this Wednesday, and your lab instructors cover it in lab**

**Na3P \_\_\_\_\_\_\_\_\_sodium phosphide\_\_\_\_\_\_\_\_\_\_\_\_ (M + NM) type 1**

**FeCl3 \_\_\_\_iron(III) chloride\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (TM +NM) type 2**

**N2O \_\_dinitrogen monoxide\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (NM +NM) type 3**