**COSTAATT**

**CHEM 111 –Concepts in Chemistry I**

**Lesson 4 - Homework**

1. Write the formula of each of the following compounds:

(a) potassium chloride (b) ammonium phosphate

(c) calcium hydroxide (d) lithium manganate(VII)

(e) iron(II) oxide (f) lead(II) sulphate

(g) iron (II) bromide (h) zinc nitrate

2. Write names for each of the following compounds:

(a) Mg3(PO4)2 (b) AgCl

(c) ZnI2 (d) Al(HCO3)3

(e) FeBr3 (f) FeSO4

(g) Cu2O (h) Pb(NO3)2

3. Calculate the relative formula masses of the following compounds.

(RAMs: H = 1, C = 12, N = 14, O = 16, Na = 23, S = 32, Ca = 40; Cr = 52, Fe = 56)

(a) CO2

(b) (NH4)2SO4

(c) Na2CO3.10H20

(d) Cr2(SO4)3

(e) (NH4)2SO4.FeSO4.6H2O