CHE 111 - Homework - Ch 7d

OER 7.2 **Double Displacement and Acid/Base Reactions** Score: _____/30

Name: _____ Date: _____

[30 pt] 1. Complete the following Double Displacement and Acid/Base reactions by filling in the missing products. Balance the compounds for charge, and the overall reaction. Include the state of the products when known. Include heat/energy as a product where applicable. If No Reaction occurs write NR in the blank provided

(a) ___ $H_3PO_4(aq)$ + ___ $KOH(aq) \longrightarrow$ 1(a) _____

(b) ___$Ba(NO_3)_2(aq)$ + ___$NaCl(aq) \longrightarrow$ 1(b) _____

(c) ___$Zn(C_2H_3O_2)_2(aq)$ + ___$Al_2(SO_4)_3(aq) \longrightarrow$ 1(c) _____

(d) ___$FeBr_3(aq)$ + ___$H_3PO_4(aq) \longrightarrow$ 1(d) _____

(e) ___ $HNO_3(aq)$ + ___$Li_2CO_3(aq) \longrightarrow$ 1(e) _____

(f) ___$Na_2SO_3(aq)$ + ___ $HNO_3(aq) \longrightarrow$ 1(f) _____

(g) ___$Zn(OH)_2(aq)$ + ___$MgCrO_4(aq) \longrightarrow$ 1(g) _____

(h) ___ $Ca(C_2H_3O_2)_2(aq)$ + ___ $Al_2(CO_3)_3(aq) \longrightarrow$ 1(h) _____

(i) ___ $HNO_3(aq)$ + ___ $Mg(OH)_2(aq) \longrightarrow$ 1(i) _____

(j) ___ $(NH_4)_2CO_3(aq)$ + ___ $Al(C_2H_3O_2)_3(aq) \longrightarrow$ 1(j) _____