Quiz 6.1 - Molar Mass and Stoichiometry

Question 1

How many grams will a 0.25 mol sample of each compound weigh?

Question 2

How many moles are in a 2.50 g sample of each compound?

Mg(NO3)2 M=1483/9/WL

Question 3

Consider the reaction: $C_3H_8(g) + 5O_2(g) \longrightarrow 3CO_2(g) + 4H_2O(g)$

How many moles of
$$O_2$$
 are required to react with 0.750 mol of C_3H_8 ?

 $O_1 750 \text{ Mol} \text{ CHB} \left(\frac{5 \text{ Mol} O_2}{t \text{ Nol} C_2H_8}\right) = 3.75 \text{ Mol} O_2$

How many moles of CO, and H,O would be produced?