





3) How many mol of  $\text{H}_2\text{SO}_4$  do you have if you have 24.5 g  $\text{H}_2\text{SO}_4$ ?

4) How many mol of  $\text{NaOH}$  do you have if you have 10 g  $\text{NaOH}$ ?

5) How many mol of  $\text{C}_6\text{H}_{12}\text{O}_6$  do you have if you have 45 g  $\text{C}_6\text{H}_{12}\text{O}_6$ ?

6) How many grams of  $\text{CuSO}_4$  are present in 0.25 mol of  $\text{CuSO}_4$ ?

7) How many grams of  $\text{Al}(\text{OH})_3$  are present in 3.4 mol  $\text{Al}(\text{OH})_3$ ?

8) How many grams of  $\text{BaSO}_4$  are present in 0.78 mol  $\text{BaSO}_4$ ?

9) Using the factoring (FOIL) method, determine the positive solutions for the following:

$$2x^2 + 6x - 8 = 0$$

10) Using the quadratic formula, solve #9 for the positive result.