Assignment 2

1. (a) Please answer the question.

2. Three friends share a mixed-up recipe for cake. Each friend follows a different recipe, and the results are as follows:

   - Friend A: 2 cups flour, 1 cup sugar, 3 cups milk
   - Friend B: 1 cup flour, 2 cups sugar, 4 cups milk
   - Friend C: 3 cups flour, 4 cups sugar, 2 cups milk

   Which friend used the correct recipe for the cake? Explain your reasoning.

3. Two students are asked to describe a process for making a peanut butter sandwich. Their responses are as follows:

   - Student A: "First, spread peanut butter on bread. Then, add a slice of cheese. Finally, add tomato slices and lettuce."
   - Student B: "First, add tomato slices and lettuce to bread. Then, spread peanut butter on bread. Finally, add a slice of cheese."

   Are the two students making the same sandwich? Explain your reasoning.

4. A baker decides to make a larger batch of cookies using a new, more expensive oven. The recipe calls for:

   - 2 cups flour
   - 1 cup sugar
   - 3 cups butter
   - 4 cups chocolate chips

   The new oven is 1.5 times more efficient than the old one. How much of each ingredient is needed for the new batch of cookies?