Homework Programming Logic and Design Chapter 1 Part 1

For each of the following questions, find the inputs and outputs, write the pseudocode, and desk check the pseudocode.

1. A store sells cups and plates for parties. The owners want a program that allows them to enter the price of a cup, the price of a plate, the number of cups purchased, the number of plates purchased, and the sales tax rate. The program should calculate and display the total cost of the purchase.

2. A sales manager wants a program that allows him to enter the sales made in each of two states. The program should calculate and display the commission, which is a percentage of the total sales. This percentage is called the commission rate and is 12%.

3. The manager of a hotel wants a program that calculates and displays a guest's total bill. Each guest pays a room charge that is based on a per-night rate and how many nights the guest stays. Customers also may incur a one-time room service charge and a one-time telephone charge.

4. A store is having a sale. The manager wants a program that allows the sales clerk to enter the original price of an item and the discount rate. The program should calculate and display the sale price.