Math 10-3 Unit 1 Bonus Sheet 2

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Roberta works for a retail hardware store in Dauphin, Manitoba. She buys 3 sinks for $89.95 each, 2 bathtubs at $639.95 each, and 2 faucets for $74.95 each. She sells one sink, one bathtub, and 2 faucets to a customer at a 25% markup. How much does she charge her customer?
2. Julia completed a baker apprenticeship program and started her own cake business. Her first order was to provide cakes for 100 people at a business luncheon. After calculating the cost of all her supplies and ingredients, her time, and the cost of gas for delivering the cakes, she found that her price of $2.50 per portion did not cover her costs.
   1. If she increased her price by 15%, what would the new unit price be?
   2. How much more would she make on 100 servings at the higher price?
3. You plan to sell imported cheese in your butcher shop and need to set a price. If the wholesale price you pay for a 10 kg wheel of medium Dutch Gouda is $175.00,
   1. What is the price for 250 grams if you sell it at cost?
   2. If you decide on a markup of 40%, what would 250 g of cheese cost?
   3. If you found that your supply of Gouda exceeded the demand for it, you might decide to offer a 15% discount off the regular price. What would a customer now pay for 250 g?
   4. At the discounted price (15% off), would you still be making a profit? Explain your thinking.