Hand In Assignment: Basic Unit Pricing

**Ratios and Proportions**

1. Solve for x:

$$\frac{12}{4}=\frac{6}{x}$$

1. Mr. Laberge is making fake iced tea. He is supposed to combine 5 cups of powder to 13 cups of water. If he is filling a jug with 20 cups of water, how many cups of powder will he need?

**Unit Price**

1. Josh is going to buy a set of calculators for the Essential math students who can’t remember to BRING THEM TO CLASS! (subtle hint). He has two options. He can either buy:

Pack A: 15 calculators for $19.50

Pack B: 10 calculators for $16.75

Calculate the unit price for each? Which is the better buy?

**Sales Tax**

1. Tyler is a master of the BBQ. He buys a propane barbeque for $965.00 and a propane tank for $45.00. What is the total price, including taxes?

**Percent Mark-Up**

1. BestBuy orders a set of 50 inch plasma TVs that cost $1500 each. To make additional money, the store charges a 15% mark-up.
2. What is the new price of the television (before taxes)?
3. What is the final price of the television (after taxes)?