2.1–2.2 Quiz

Liquid Hand Soap In Exercises 1–5, use the information below.



- 1. Compare the unit prices of the three brands of liquid hand soap.
- **2.** A family of 4 uses 128 fluid ounces of liquid hand soap annually. Suppose the family purchases brand C instead of brand A. Estimate the annual savings for the family.
- **3.** The wholesale price of brand A is \$0.99.
 - **a.** Find the markup.
 - **b.** Find the markup percent.
- **4.** You have a coupon for 10% off brand B.
 - **a.** How much can you expect to pay for brand B?
 - **b.** How does the coupon affect the unit price of brand B? Explain your reasoning.

glycerin

- **c.** Does brand B give you the most hand soap for your money after you use the coupon? Explain your reasoning.
- **5.** Below is a recipe for homemade liquid hand soap.

	Homemade Li	quid Hand Soap	
* 1 bar of soap	(\$ 0.33)	* 1 tsp glycerin	(\$0.14)
* 1 tbsp honey	(\$0.19)		
·		lith 1 cup of boiling water. lycerin. Let the mixture c	· ·
	, ,	u have 6 cups of mixture	
again and pour it into	a container to let	it cool. Do not put a lid or	the container

- **a.** What is the unit price of the homemade liquid hand soap?
- **b.** You make your own liquid hand soap instead of buying brand C. What is the discount percent?