Cost & Revenue

1. NJHS sells candy grams around Valentine's Day for $1.50 each. They buy the candy for $0.25 each and pay $14 for the materials for the cards.
   a. Write an equation to represent how much it will cost NJHS to purchase the candy gram materials.

   b. Write an equation to represent the income the band will earn selling the candy grams.

   c. Using your equations, how many candy grams will NJHS need to sell for their income to equal their expenses?

Solution: _____

2. The WEB Leaders class sells pizza at the school dances for a total of $10 a pizza. They purchase the pizzas for $5 each and pay $7.50 for a tip.
   a. Write an equation to represent how much it will cost to purchase the pizza.

   b. Write an equation to represent the income the band will earn selling the pizza.

   c. Using your equations, how many pizzas will WEB need to sell for their income to equal their expenses?

Solution: _____

3. Ramona is opening an Etsy store selling car seat ponchos. It will cost her $10 for the material for each poncho and $150 to get a sewing machine. She decides to sell the ponchos for $35.

   a. Write an equation to represent how much it will cost to make the ponchos.

   b. Write an equation to represent the income Ramona will earn selling the ponchos.

   c. Using your equations, how many ponchos will Ramona to sell for their income to equal their expenses?

Solution: _____