

Math 201-101 Quiz 3 Fall 2009 NAME:

1. The school cafeteria is ready to serve two kinds of sandwiches, tuna and ham, and two kinds of pizza, pepperoni and vegetarian. There are 48 servings of pizza prepared. There are 8 more tuna sandwiches prepared than there are servings of pepperoni pizza. There are 4 fewer ham sandwiches prepared than there are servings of vegetarian pizza. Altogether, how many sandwiches are prepared?

(a) Sketch a diagram to show the relevant sums and differences in this situation.

(b) Solve the problem.

2. In Canada a deposit is charged for soda cans. A can of your favorite soda including the deposit costs \$1.10. What is the price of a can of soda and how much is the deposit if the difference between the two is \$1?

a) Sketch a diagram to show the relevant sums and differences in this situation.

(b) Solve the problem.

3. A hamburger with fries at the school cafeteria costs \$2.99 without tax. Mobile County charges a sales tax of 9%. What is the price of the hamburger including the tax? Round to the nearest cent, if necessary.