Homework 5.1

1) Suzette and Margo want to prepare crêpes for all of the students in their French class. A recipe makes 20 crêpes with a certain amount of flour, milk, and 2 eggs. The girls already know that they have plenty of flour and milk to make 50 crêpes, but they need to determine the number of eggs they will need for the recipe because they are not sure they have enough.
   a. Considering the amount of eggs necessary to make the crêpes, what is the constant of proportionality?
   b. What does the constant or proportionality mean in the context of this problem?
   c. How many eggs are needed to make 50 crêpes?

2. Bananas are $0.59/pound.
   a. What is the constant of proportionality, or $k$?
   b. How much will 25 pounds of bananas cost?

3. The dry cleaning fee for 3 pairs of pants is $18.
   a. What is the constant of proportionality?
   b. How much will the dry cleaner charge for 11 pairs of pants?

4. For every $5 that Micah saves, his parents give him $10.
   a. What is the constant of proportionality?
   b. If Micah saves $150, how much money will his parents give him?