Name:

Computation Monday: April 17, 2017

**Directions: You are allowed to use calculators on this assignment. Use the Percent Increase and Decrease formula or the Percent Proportion to solve the problems. Work MUST be shown to receive credit and NO INK!!!**

1. A retailer perchased merchandise costing $15,500. By paying within 30 days, the retailer received a $500 discount. What was the discount rate?
2. The Palermo Construction Company can buy sinks from a plumbing supply warehouse for $99 each. The company then sells each sink for $45 above the cost. Find the markup rate on the cost of a sink.
3. Lowes is reducing the price of a hanging lamp from $296.00 to $240.00. What is the discount rate on the regular price of the lamp?
4. The regular price of a suit is $239.00. The suit is on sale at a 25% discount. What is the sale price?
5. A company manufactures television sets. During July, the company found that 22 of the televisions made were defective, this was a 2% defective rate. How many televisions were made in the month of July?
6. Mr. McClintock earns on average $2,678.00 a month. Mrs. McClintock earns on average $2. 225.00 a month. If they save a minimum of 5% of their combined monthly income, how much will they save in a year?
7. Latrell needs to score at least a 79% on the next test in order to receive a C in his science class for third quarter. If the test has 58 question, how many questions can he miss and still get the grade he needs?
8. In 2010 a survey was conducted of 200,000 households that indicated that 12% preferred to do their Christmas shoping online. In 2017 the same number of households were surveyed and the number had increased to 44%.
   1. In 2010 what number of households did their shopping online?
   2. In 2017, how many did their shopping online?
   3. What was the percent increase from 2010 to 2017?
9. You own a ski resort and in 2016 you made a profit of $26,000,000. In 2017 we had a very warm winter and your profits dropped to 12,800,000. What was the percent decrease in your profits?