SCCS Math Homework 11/11/12

(you may use a calculator)

1. The price of a pair of trousers was decreased by 22% to $30. What was the original price of the trousers?
2. A family had dinner in a restaurant and paid $30 for food. They also had to pay 9.5% sale tax and 10% for the tip. How much did they pay for the dinner?
3. Another family had dinner in the same restaurant and paid $45 for food. They also had to pay a 9.5% sale tax. Then they paid a 7.5% tip using the total amount including the sale tax. How much did they pay for the dinner?
4. Smith invested $5000 for two years. For the first year, the rate of interest was 7% and the second year it was 8.5%. How much money did he earn at the end of the two year period? What was the overall interest rate for the two years?
5. Landon put $2,000 in the bank. After one month, it grew by 35%. He then took out $1,500. After another month, the money grew by 15%. Then Landon took out 25% of the money in his bank. After another month, the money grew by another 35%. How much money does Landon currently have in the bank? By how many percent did the initial deposit decrease by?