Name: _____   Period: _____

Algebra 8: Percents Review

<u>Part A: Lawn Mowing Earnings</u>

1.   This summer you hope to earn $600 mowing lawns. In June you earned $180. In July you earned $225. What is the percent of change for your earnings from June to July?

2.   In August you earned 90% of what you earned in July. How much did you earn in August?

3.   How much total money did you earn through mowing lawns in June, July, and August?

4.   Did you meet your goal?

5.   Your parents told you to put 70% of your summer earnings into a savings account. How much money will you have to put in savings?

6.   With the money you put into a savings account, a bank offers you a simple annual interest rate of 4.5%. In 3 years how much interest will you earn?

7. What will be the balance of your account after 3 years if you make no other deposits or withdrawals?

8. Your older sister earned $27 interest on $450 over the last two years. What interest rate did the bank offer her?

Part B: School Shopping

9. After putting 70% of your lawn mowing earnings in a saving account, how much money do you have left to spend on school shopping?

10. Even though you should spend your money on school supplies, you decide to treat two friends to lunch. If the total food bill is $32 and you pay 6.5% tax and leave your server a 20% tip. What is your total lunch bill?

11. After lunch you buy three pairs of jeans that are $28 each. Thankfully, the store offers a 30% discount. What is the total amount you pay for the jeans?

12. Then you find a pair of shoes that you would like to buy. The wholesale price of the shoes was $50, but the store uses a 60% markup. Do you have enough money to buy the shoes? Explain how you know.