7th Grade Math Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Module 4 Test Review

 Period\_\_\_\_\_\_\_\_\_

**#1 - 10: Answer the following questions.** **Make sure you show your work for every problem. Also include labels for any answer that requires them. Round to the nearest hundredth if necessary. (2 points each)**

1) What is 35% of 60?

2) What is 112% of 50?

3) 3% of 120 is what number?

4) What number is 16% of 46?

5) 20% of what number is 30?

6) What number is 76% of 140

7) Angela made 90% of the 50 free throws she attempted. How many free throws did she make?

8) The length of Jack's arm is 27 inches. The length of her lower arm is 17 inches. About what percent of Jack's arm is his lower arm?

9) Find the percent of change from 40 to 25.

10) Zach bought a pair of jeans for $54.The next week he noticed that the price for the same pair of jeans was now $74. Find the percent of change.

**#11 - 29: Answer the following questions. Make sure you show your work for every problem. Also include labels for any answer that requires them. Round to the nearest hundredth if necessary. (3 points each)**

11) Mr. Martin bought a microwave that was originally priced at $225. He received a

 30% discount. What is the sale price of the microwave?

12) Darin bought a new pair of soccer cleats for $59.99. The sales tax is 6.5%. What is the

 total cost that Darin will pay?

13) Yancy got his hair cut for $16. He left a 15% tip for the barber. What is the total amount

 of money Yancy paid?

14) You want to buy a new pair of shoes that cost $45. You have a 15% off and a $15 off coupon. Which coupon gives you the better price and deal?

15) Use I=PRT to find the simple interest earned.

 P=$250, R=2.85%, T=3 years

16) Mr. Sprockett borrows $3,500 from his bank to buy a used car. The loan has a 7.4% annual simple interest rate. If it takes him 2 years to pay back the loan, what is the total amount he will be paying?

17) You have $20 to buy a new shirt that costs $25. You have a coupon for 25% off, but also still have to add in the sales tax that is 5%. Do you have enough money to buy the shirt. Explain your answer.

18) You buy a DVD that is on sale for 15% off. If the sale price is $11.90, what was the original price?

19) Tom is taking out a student loan for $3,000. He plans to pay off the loan in 4 years. At the end of 4 years Tom will have paid $480 in interest. What is the simple interest rate on the student loan?