**Chapter 2 Test *Study Guide*: Percents Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score: \_\_\_\_\_/30**

**Find each number.  Show how you set up the problem and show your work.
Round to the nearest tenth, if necessary.   (2pts each)**

**1.** 22% of 95 is what number?

**2.** 52 is 0.5% of what number?

**3.** 7 is what percent of 56?

**4.** 18 is what percent of 8?

**5.** 65% of what number is 52?

**6.** Kelsey read 40% of the 60 books she bought.  How many books has Kelsey not completed?

Show your work. (2 pts)

**7.** Sheila predicts that 440 people will attend the fall concert.  There was an actual total of 380 people who attended the fall concert. What is the percent error? Show your work and round to the nearest whole percent. (2 pts)

**8.** Suzanne sells slices of pizza at the basketball games.  She buys pizza for $3.00 a slice and then adds a 15% mark up.  How much profit will she make if she sells 23 slices of pizza? Show your work. (2 pts)

**9.** A notebook costs $2.50 plus sales tax.  After sales tax, the notebook is $2.86.  What is the sales

tax rate?  Show your work. (2 pts)

**10.** The Smith family went out to dinner.

* The price of the meal was $32.56.
* The sales tax was 6% of the price of the meal.
* The tip was 18% of the meal and the sales tax.

How much money did the Smith family pay for the meal, including tax and tip? Show your work. (2 pts)

**11.** Mr. Sanchez bought 2 magazines for $7.95 each and 1 book for $12.95.  If the sales tax is 6%,

what is the total cost of Mr. Sanchez’s purchases?  Show your work. (2 pts)

**12.** Appliances at Discount City Store are on sale for 75% of the original price.  Eli has a coupon for

an 15% discount on the sale price.  If the original price of a microwave oven $300, how much will Eli

pay for the oven before tax? Show your work. (2 pts)

**13.** Five years ago, one share of a stock was worth $22.00.  Today, one share of the stock is worth

$60.00.  What was the percent of change? Show your work. (2 pts)

**Find the simple interest paid to the nearest cent for the following principal, interest rate, and time.**

**Show your work. (2 pts)**

**14.** $145, 4.5%, 30 months

**15.** Tyler puts $2,410 into a simple interest savings account at 4% interest.  After 4 years, how much money will be in the account?  Show your work. (2 pts)