Your name:

**Practice Test, Jan. 28, 2022**

The test lasts half an hour. Show your work. You may use a calculator and a compound interest table.

1. What is 105% as a decimal?

2. What is 25% as a fraction written in lowest terms?

3. What is 1.02% as a decimal?

4. A women’s clothing store pays by commission. Jane earned a commission of $306 last week on sales of $2,040. What is the commission rate?

5. In 2022, your investment of $2,000 in the stock market goes down 8% in value. In 2023, your investment goes up 8% in value. How much do you end up with? (round to the nearest dollar)

6. If a diamond ring is offered at 28% off the list price of $988, what is the amount of the discount, to the nearest dollar?

7. Suppose the price of headphones is $300 plus 4% sales tax. What will be the total cost?

8. Mr. Jones received a discount of 25% off the original price for a lawnmower, and that saved him $100. What was the original price?

9. 17 students is 2% of what number of students?

10. A restaurant meal costs $25.00 plus sales tax of 6%. What is the total cost?

11. You are selling your house and your broker offers you a choice of a commission rate of 4% or a fixed commission of $5,000. What price of house makes the two commissions equal? (round to the nearest dollar)

12. If shipping costs add 8% to an order, and you order three fire alarms from Ace Online at $20.00 each, what is the total amount you end up paying for the order? (round to the nearest cent)

13. You pay a 4% simple interest rate on a loan of $9,000 for 4 years. How much interest do you pay?

14. The bank lends $20,000 to Mrs. Brown for 7 years at an interest rate of 4.5%, compounded annually and payable at the end of the loan period. How much does Mrs. Brown pay back to the bank at the end of the 8 years? (round to the nearest dollar)

15. If I borrow $1,500 at 5.5% interest, compounded annually, for 6 years, how much interest do I pay? (round to the nearest dollar)