<u>Center 21 – Simple Interest</u>

Find the simple interest earned to the nearest cent for each principal, interest rate, and time.

1. $750, 7%, 3 years

2. $1,200, 3.5%, 2 years

3. $450, 5%, 4 months

4. $1,000, 2%, 9 months

5. $530, 6%, 1 year

6. $600, 8%, 1 month

Find the simple interest paid to the nearest cent for each loan, interest rate, and time.

7. $668, 5%, 2 years

8. $720, 4.25%, 3 months

9. $2,500, 6.9%, 6 months

10. $500, 12%, 18 months

11. $300, 9%, 3 years

12. $2,000, 20%, 1 year

NAME _____ DATE _____ PERIOD _____

*Read each problem <u>carefully</u>. Find out what the problem wants you to find (interest, principal, time, or rate).

13. Rita charged $126 for a DVD player at an interest rate of 15.9%. How much will Rita have to pay after 2 months if she makes no payments?	**14.** The average cost for a vacation is $1,050. If a family borrows money for the vacation at an interest rate of 11.9% for 6 months, what is the total cost of the vacation including the interest on the loan?
15. SAVINGS ACCOUNT: How much interest will Hannah earn in 4 years if she deposits $630 in a savings account at 6.5% simple interest?	**16. INVESTMENTS:** Terry invested $2,200 in the stock market for 2 years. If the investment earned 12%, how much money did Terry earn in 2 years?
17. RETIREMENT: Mr. Pham has $410,000 in a retirement account that earns 3.85% simple interest each year. Find the amount earned each year by this investment.	**18. COLLEGE FUND:** When Melissa was born, her parents put $8,000 into a college fund account that earned 9% simple interest. Find the total amount in the account after 18 years.
19. LOTTERY: Raj won $900,000 in a regional lottery. After paying $350,000 in taxes, he invested the remaining money in a savings account at 4.25% simple interest. How much money is in the account if Raj makes no deposits or withdrawals for two years?	**20. SAVINGS ACCOUNT:** Malik deposited $1,050 in a savings account, and it earned $241.50 in simple interest after four years. Find the interest rate on Malik's savings account.