## Lesson 8 Problem Solving Practice

## Financial Literacy

1. SAVINGS ACCOUNT How much interest will Hannah earn in 4 years if she deposits $\$ 630$ in a savings account at $6.5 \%$ simple interest?
2. 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.
3. 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?
4. 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?
5. 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.
6. SAVINGS Mona opened a savings account with a $\$ 500$ deposit and a simple interest rate of $5.6 \%$. If there were no deposits or withdrawals, how much money is in the account after $8 \frac{1}{2}$ years?
7. 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.
8. INHERITANCE Kelli Rae's inheritance from her great-grandmother was $\$ 220,000$ after taxes. If Kelli Rae invests this money in a savings account that earns $\$ 18,260$ in simple interest every year, what is the interest rate on her account?
