Miller Financial Math

## Round to the nearest cent where necessary.

- 1. How much interest would \$2,000 earn in one year at the rate of 4.2%?
- 2. How much interest would \$2,000 earn, compounded annually, in two years at the rate of 4.2%?
- 3. How much interest would \$2,000 earn, with simple interest, in two years at the rate of 4.2%?
- 4. Compare your answers to Exercises 2 and 3. Explain why they differ.
- 5. How much would d dollars earn in one year at the rate of p percent compounded annually?
- **6.** Margaret deposits \$1,000 in a savings account that pays 5.4% interest compounded semi-annually. What is her balance after one year?
- 7. How much interest does \$5,300 earn at a rate of 2.8% interest compounded quarterly, in three months?
- 8. Mr. Guny deposits \$4,900 in a savings account that pays  $3\frac{1}{2}$ % interest compounded quarterly.
  - a. Find the first quarter's interest.

- **b.** Find the first quarter's balance.
- **c.** Find the second quarter's interest.
- d. Find the second quarter's balance.

e. Find the third quarter's interest.

f. Find the third guarter's balance.

g. Find the fourth quarter's interest.

- h. Find the fourth quarter's balance.
- i. How much interest does the account earn in the first year?
- **9.** Jonathan deposits \$6,000 in a savings account that pays 3.2% interest compounded quarterly. What is his balance after one year?
- 10. How much interest would \$1,000,000 earn at 5% compounded daily, in one day?