Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:
NOTE: Interest Compounded Annually

1. How much interest is earned on a principal of $432 invested at an interest rate of 8% compounded annually for one year?

2. If you borrow $101 at 7% compounded annually for seven years, how much will you pay back by the end of the term?

3. How much interest is earned on a principal of $542 invested at an interest rate of 3% compounded annually for four years?

4. You put $420 into a savings account with an interest rate of 8% compounded annually which earns $33.60 over a period of time. How long was the period of time?

5. If you put $345 in a savings account that pays 5% compounded annually for nine years what is the amount of money you will have at the end of the nine years?

6. If you put $949 into a savings account that earns 9% compounded annually, how much interest will you receive at the end of six years?

7. At what rate was an investment made that obtains $359.80 in interest compounded annually on $668 over five years?

8. How much interest does a $182 investment earn at 10% compounded annually over two years?

9. You put $205 into an investment at 7% compounded annually for eight years. What will the balance be at the end of eight years?

10. If you invest $119 at an interest rate of 7% compounded annually, how much money will you have after six years?

Compound Interest

Use the Compound Interest Formula to calculate the compound interest word problems:
NOTE: Interest Compounded Annually

1. How much interest is earned on a principal of $432 invested at an interest rate of 8% compounded annually for one year?

   $34.56

2. If you borrow $101 at 7% compounded annually for seven years, how much will you pay back by the end of the term?

   $162.18

3. How much interest is earned on a principal of $542 invested at an interest rate of 3% compounded annually for four years?

   $68.03

4. You put $420 into a savings account with an interest rate of 8% compounded annually which earns $33.60 over a period of time. How long was the period of time?

   one year

5. If you put $345 in a savings account that pays 5% compounded annually for nine years what is the amount of money you will have at the end of the nine years?

   $535.21

6. If you put $949 into a savings account that earns 9% compounded annually, how much interest will you receive at the end of six years?

   $642.57

7. At what rate was an investment made that obtains $359.80 in interest compounded annually on $668 over five years?

   9%

8. How much interest does a $182 investment earn at 10% compounded annually over two years?

   $38.22

9. You put $205 into an investment at 7% compounded annually for eight years. What will the balance be at the end of eight years?

   $352.23

10. If you invest $119 at an interest rate of 7% compounded annually, how much money will you have after six years?

    $178.59

Score: /10