Name:

Use compound interest to solve the following.

1. If a principal of $719 was invested at a rate of 5% compounded semiannually and terminates with a balance of $1,067.36, how long was the money invested for?

   eight years
   _____

2. If you borrow $754 for four years at an interest rate of 6% compounded semiannually, how much interest will you pay?

   $201.14
   _____

3. If a principal of $836 was invested at a rate of 6% compounded semiannually and terminates with a balance of $1,059.02, how long was the money invested for?

   four years
   _____

4. At what rate was an investment made that obtains $81.82 in interest compounded semiannually on $222 over four years?

   8%
   _____

5. If you take out a loan that costs $917.22 over seven years at an interest rate of 10% compounded semiannually, how much was the loan for?

   $936
   _____

6. If you put money into a savings account that earns $86.85 over two years at a rate of 6% compounded semiannually, how much money did you put into the account?

   $692
   _____

7. If you put $840 into a savings account that earns 9% compounded semiannually, how much interest will you receive at the end of five years?

   $464.49
   _____

8. The cost of a loan for $620 over seven years is $256.04 compounded semiannually. What was the rate on the loan?

   5%
   _____

9. If you received $476.76 on $556 invested at a rate of 7% compounded semiannually, for how long did you invest the principal?

   nine years
   _____

10. The cost of a loan for $586 over one year is $35.69 compounded semiannually. What was the rate on the loan?

    6%
    _____