Use compound interest to solve the following.

1. If a loan is taken out for $603 at 10% compounded annually and costs $818.84, how long was the loan for?

   nine years

2. If you put money into a savings account that earns $288.67 over four years at a rate of 10% compounded annually, how much money did you put into the account?

   $622

3. If a principal of $808 was invested at a rate of 5% compounded annually and terminates with a balance of $982.13, how long was the money invested for?

   four years

4. If an investment over eight years at a rate of 8% compounded annually results in a final balance of $416.46, what was the original investment?

   $225

5. How long must $191 be invested at a rate of 6% compounded annually to earn $23.61 in interest?

   two years

6. How long must $344 be invested at a rate of 6% compounded annually to earn $65.71 in interest?

   three years

7. The cost of a loan for $131 over seven years is $41.39 compounded annually. What was the rate on the loan?

   4%

8. The ending balance on an investment is $802.99. If the principal was invested at 4% compounded annually for five years, what was the principal?

   $660

9. You put $938 into an investment at 10% compounded annually for six years. What will the balance be at the end of six years?

   $1,661.72

10. If a loan is taken out for $539 at 4% compounded annually and costs $21.56, how long was the loan for?

    one year