Use compound interest to solve the following.

1. How much interest is earned on $590 at 9% compounded weekly for six years?

   $421.97

2. If the balance at the end of eight years on an investment of $897 that has been invested at a rate of 6% compounded weekly is $1,449.22, how much was the interest?

   $552.22

3. $72.10 is earned on funds invested at a rate of 5% compounded weekly over five years. What was the amount of the original investment?

   $254

4. The ending balance on an investment is $1,333.61. If the principal was invested at 7% compounded weekly for five years, what was the principal?

   $940

5. You put $383 into a savings account with an interest rate of 10% compounded weekly which earns $133.85 over a period of time. How long was the period of time?

   three years

6. The cost of a loan for $460 over three years is $124.67 compounded weekly. What was the rate on the loan?

   8%

7. You put $116 into an investment at 6% compounded weekly for four years. What will the balance be at the end of four years?

   $147.44

8. The ending balance on an investment is $758.14. If the principal was invested at 9% compounded weekly for seven years, what was the principal?

   $404

9. If you put $791 into a savings account and after one year the balance is $823.27, what was the interest rate if it was compounded weekly?

   4%

10. If you borrow $433 for nine years at an interest rate of 10% compounded weekly, how much interest will you pay?

    $631.09