Use compound interest to solve the following.

1. If you take out a loan that costs $38.26 over one year at an interest rate of 5% compounded quarterly, how much was the loan for?

   _____

2. If an investment over five years at a rate of 4% compounded quarterly results in a final balance of $262.34, what was the original investment?

   _____

3. How much interest is earned on a principal of $549 invested at an interest rate of 4% compounded quarterly for five years?

   _____

4. If you borrow $496 at 4% compounded quarterly for two years, how much will you pay back by the end of the term?

   _____

5. If the balance at the end of two years on an investment of $944 that has been invested at a rate of 9% compounded quarterly is $1,127.92, how much was the interest?

   _____

6. You put $122 into a savings account with an interest rate of 4% compounded quarterly which earns $45.74 over a period of time. How long was the period of time?

   _____

7. If the balance at the end of one year on an investment of $300 that has been invested at a rate of 4% compounded quarterly is $312.18, how much was the interest?

   _____

8. If an investment over one year at a rate of 9% compounded quarterly results in a final balance of $651.48, what was the original investment?

   _____

9. If you put $467 in a savings account that pays 7% compounded quarterly for eight years what is the amount of money you will have at the end of the eight years?

   _____

10. How much interest does a $612 investment earn at 8% compounded quarterly over eight years?

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