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Use compound interest to solve the following.

1. What is the interest rate if a principal of \$703 earns \$803.94 in interest compounded annually in eight years?  
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2. How much interest is earned on a principal of \$575 invested at an interest rate of 7% compounded annually for nine years?  
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3. How long must \$974 be invested at a rate of 8% compounded annually to earn \$571.62 in interest?  
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4. At what rate was an investment made that obtains \$727.55 in interest compounded annually on \$733 over eight years?  
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5. What will the final balance be for \$975 invested at 4% compounded annually for seven years?  
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6. \$264.12 is earned on funds invested at a rate of 7% compounded annually over seven years. What was the amount of the original investment?  
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7. How much principal must be invested to earn \$678.53 in nine years at an interest rate of 9% compounded annually?  
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8. What is the interest rate if a principal of \$740 earns \$251.67 in interest compounded annually in six years?  
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9. You put \$260 into a savings account with an interest rate of 4% compounded annually which earns \$21.22 over a period of time. How long was the period of time?  
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10. If you take out a loan that costs \$143.31 over five years at an interest rate of 7% compounded annually, how much was the loan for?  
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