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Use compound interest to solve the following.

1. If you take out a loan that costs \$63.39 over five years at an interest rate of 3% compounded annually, how much was the loan for?  
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2. What was the interest rate if your balance on an investment of \$162 at the end of seven years is \$315.69 and the interest was compounded annually?  
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3. If a loan is taken out for \$518 at 7% compounded annually and costs \$75.06, how long was the loan for?  
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4. If you put \$136 into a savings account that earns 6% compounded annually, how much interest will you receive at the end of six years?  
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5. If you borrow \$106 for nine years at an interest rate of 6% compounded annually, how much interest will you pay?  
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6. You take out a loan for \$780 at an interest rate of 8% compounded annually for six years. What is the total amount that you will have at the end of the six years?  
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7. What will the final balance be for \$924 invested at 4% compounded annually for three years?  
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8. If you take out a loan that costs \$51.47 over four years at an interest rate of 4% compounded annually, how much was the loan for?  
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9. If you take out a loan that costs \$223.87 over five years at an interest rate of 8% compounded annually, how much was the loan for?  
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10. How much interest is earned on \$456 at 6% compounded annually for five years?  
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