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Use compound interest to solve the following.

1. How long must \$570 be invested at a rate of 10% compounded annually to earn \$540.77 in interest?  
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2. How much interest does a \$541 investment earn at 4% compounded annually over four years?  
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3. If a loan is taken out for \$563 at 9% compounded annually and costs \$303.25, how long was the loan for?  
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4. If an investment over six years at a rate of 7% compounded annually results in a final balance of \$1,239.60, what was the original investment?  
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5. If you put \$202 in a savings account that pays 6% compounded annually for nine years what is the amount of money you will have at the end of the nine years?  
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6. What will the final balance be for \$268 invested at 8% compounded annually for four years?  
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7. How long must \$465 be invested at a rate of 8% compounded annually to earn \$218.24 in interest?  
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8. If you borrow \$759 for eight years at an interest rate of 9% compounded annually, how much interest will you pay?  
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9. \$190.16 is earned on funds invested at a rate of 7% compounded annually over three years. What was the amount of the original investment?  
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10. If you put \$603 into a savings account that earns 10% compounded annually, how much interest will you receive at the end of three years?  
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