

**Write an exponential growth function to model each situation.  
Then find the value of the function after the given amount of time.**

1. Annual sales for a clothing store are \$270,000 and are increasing at a rate of 1.7% per year; 3 years
2. The bird population in a forest is about 2300 and decreasing at a rate of 21.4% per year; 10 years

**Write a compound interest function to model each situation.  
Then find the balance after the given number of years.**

3. \$20,000 invested at a rate of 3% compounded annually; 8 years
4. \$35,000 invested at a rate of 6% compounded monthly; 10 years
5. \$35,000 invested at a rate of 8% compounded quarterly; 5 years

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