The population of Maxville is 2,621. The awesome mayor hopes his city will grow 3.5% each year. Find what the population would be in 5 years.

25%

B

Upon Carrie's graduation, she deposits all her monetary gifts (\$7.82) into an interest bearing account that yields 5.6% APR, compounded monthly. When will her account total \$50?

3,112

The function f(t) = $250(0.815)^{t}$ gives the population of butterflies in a given area over t hours. How much time has elapsed when only 100 butterflies remain?

About 33.2 years

How much money must a child's grandparents put into a bank account if they want to give the child \$30,000 at his or her high school graduation 18 years later if they find an account that earns them 8% APR, compounded monthly?

4.48 hours

\$350 is placed into an interest bearing account. 10 years later the account has \$1,141.71. If the **APR** was compounded quarterly, what is the APR?

\$7141.88

You place money into an account that yields 5.6%. The account will have \$6,304.30 after 4 years if compounded semiannually. What was the initial amount of the investment?

12%

If f(x) = $5,000(.75)^{x}$ models the number of insects in a given area. What is the rate of growth/ rate of decay?

\$5,054.66