Compound Interest Formula



Use the compound interest formula to calculate the interest earned for the following. Express your answer as a dollar amount to the nearest cent.

Percent of interest = 9.9Principal amount = \$71,620

Compounded annually

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$

following. Express your answer as a dollar amount to the nearest cent. Use the compound interest formula to calculate the ending balance for the

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Percent of interest = 2.7Principal amount = \$93,418

Compounded monthly

 $A = P\left(1 + \frac{r}{n}\right)^{nt}$

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ExamView

as a dollar amount to the nearest cent. how much will the balance be in the account after 4 years? Express your answer interest is compounded monthly. If she made no other deposits or withdrawals, Amy deposited \$8,514 into a savings account that earns 1.3% interest, and

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$

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ExamView 1

Use the compound interest formula to calculate the interest earned for the following. Express your answer as a dollar amount to the nearest cent.

Principal amount = \$52,579 Percent of interest = 3.4

Compounded semi-annually

 $A = P\left(1 + \frac{r}{n}\right)^{mt}$

ExamView

following. Express your answer as a dollar amount to the nearest cent. Use the compound interest formula to calculate the ending balance for the

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Percent of interest = 9.8Principal amount = \$68,404

Compounded semi-annually

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$

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ExamView 2

as a dollar amount to the nearest cent. interest is compounded annually. If she made no other deposits or withdrawals, Shelly deposited \$8,206 into a savings account that earns 9.2% interest, and how interest will be earned by the account after 2 years? Express your answer

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$