For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

You can either "Make a Copy" of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.

Randall deposits $300 into an account that earns 5% interest compounded annually. Susan deposits the same amount into an account that earns 5% simple interest. Compare the account balances after 2 years.

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Which account will have a greater balance after 2 years?

- A. Randall's account balance is greater.
- B. Susan's account balance is greater.
- C. After 2 years, Randall's and Susan's account balances are equal.

2.

An investor puts $600 in an account that pays 5% interest compounded annually. Find the account balance after 9 years.

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The account balance after 9 years is about $.
(Round to the nearest dollar as needed.)

3.

How much money will be in an account at the end of 9 years if $6,000 is deposited at 5% interest compounded 4 times per year? Assume no deposits or withdrawals are made.

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There will be about $ in the account at the end of 9 years.
(Round to the nearest dollar as needed.)

4.

A customer plans to deposit $1,000 in a bank account and leave it for 8 years. The customer compares two banks. The first bank offers 3% interest compounded 12 times per year. The second bank offers 3% interest compounded once per year. Which bank offers the better investment for the customer?

Which bank offers the better investment?

- The first bank offers the better investment.
- The second bank offers the better investment.
- The investment is the same for both banks.

5.

Open-Ended A bank account earns 2% interest compounded annually on an original deposit of $700. Find the account balance after 20 years.

The account balance after 20 years is about $.

(Round to the nearest dollar as needed.)