College Mathematics
compounding vs. annuities practice

1. If you put $200 into an account earning 3% annual interest,
    how much will be in the account in 10 years?

2. If you put $200 into an account earning 3% annual interest, compounded monthly,
    how much will be in the account in 10 years?

3. A savings account earns 3% annually, compounded monthly. If you put $200 into that
    account at the end of each month for 10 years, how much will be in the account at the end?

4. How much should you put into an account growing 8.4% annually, compounded monthly,
    in order to have $180,000 in 20 years?

5. What monthly payment should you put into an annuity that grows 8.4% annually,
    compounded monthly, in order to have $180,000 in 20 years?