4. Assume you leave the interest and deposit untouched and the interest rate is 6%, rather than 5%, what will the future value of your $100 deposit be on January 1, 2010? $179.08

5. Refer to question 1: If the interest rate was compounded quarterly, what would be the future value of the deposit on January 1, 2001? $105.09

6. You loan your brother $1,000 at an annual interest rate of 7% for 3 years. If he pays you back along with the interest at the end of three years, how much will you receive? $1,225.04

7. You loan your sister $1,000 and she agrees to pay $2,000 back in 5 years as long as you stop setting her alarm for 4:00 a.m. in the morning. Assuming you stop this prank, what will be your annual rate of return on this loan to your sister? 14.86%

8. You have $150,000 in a savings account earning 5% per year, but you know in two years you will have to withdraw $100,000 to buy an engagement ring. How much money will be in your account in three years? $68,643.75

9. You have $15,000 in cash. You expect inflation to equal 12 percent for the next 15 years. How much cash will you need in 15 years to equal the buying power of the current $15,000? $82,104