1.) Your 3 year investment of $20,000 received 5.2% interested compounded semi annually. What is your total return?

2.) You borrowed $59,000 for 2 years at 11% interest which was compounded annually. How much will you have to pay back at the end of 2 years?

3.) A coin had a value of $1.17 in 1995. Its value has been increasing at 9% per year. What is the value after 5 years?

4.) Gina deposited $1500 in an account that pays 4% interest compounded quarterly. What will the balance be in 2 years?

5.) A loan shark lends a gambler $1,000 to cover a debt. He charges 35% annual interest compounded continuously. How much does the gambler owe the loan shark at the end of one year? Two years?

6.) The Fresh and Green Company has a savings plan for employees. If an employee makes an initial deposit of $1000, the company pays 8% interest compounded quarterly. If an employee withdraws the money after five years, how much is in the account?

7.) Mr. and Mrs. Boyce bought a house for $96,000 in 1995. Real estate values in their area increase approximately 4% each year. What was the value of the house in 2007?
8.) Determine the final account balance of an investment if $300 is invested at an interest rate of 6.75% compounded semiannually for 20 years.

9.) The Greens bought a condo for $110,000 in 2005. If its value appreciates at 6% per year, what will the value be in 2012?

10.) Jaydon opens a savings account by depositing $1200 in an account that earns 3% interest compounded weekly. How much will his investment be worth in 10 years?

11.) If you invest $2500 in an account, what is the balance in the account and the amount of interest after 4 years if you earn:
   a) 1.2% compounded daily?
   b) 0.7% compounded continuously?

12.) The Garcias have $12,000 in a savings account. The bank pays 3.5% interest on savings accounts, compounded monthly. Find the total balance after three years.

13.) The value of a $25,000 car depreciates at a rate of 12% per year. What will the car be worth in 5 years?

14.) $10,000 is invested at an annual interest rate of 5% compounded continuously. How long will it take for this initial investment to double in value?

15.) The half-life of caffeine is 5 hours. This means the amount of caffeine in your bloodstream is reduced by 50% every 5 hours. A grande French Roast has 330 milligrams of caffeine. How many milligrams of caffeine will be in your system after 5 hours? After 10 hours? After 15 hours?