**ASSIGNMENT 2**

1. What equal annual amount must be deposited for 10 years in order to provide withdrawals of $200 at the end of the second year, $400 at the end of third year, $600 at the end of fourth year, and so on, up to $1800 at the end of the tenth year? The interest year is 13% compounded annually.
2. How long will it take for a series of equal annual payments of $1.600 each year to accumulate to $100.000 at an interest rate 20%?
3. A person lends $ 10.000 at 8% simple interest for 5 years. At the end of this time the entire amount (principal plus interest) is invested at 12% compounded annually for 10 years. How much will accumulate at the end of the 15 year period?
4. What annual equal payment series is necessary to repay the following increasing series of payment?
5. A series of 7 end of year payments that begins at $ 2.000 and increases at the rate of $100 a year with 10%
6. A series of 30 end of year payments that begins at $ 250 and increases at the rate of $ 50 a year with 9%