Rule of 72 Nominal + Effective Simple Interest

I = \$ P = 7 T = 550 - 500  If you deposit \$1000 into an account that pays 6% per annum for 125 days, how much will you have at the end of this term?

$$P = \frac{125}{365}$$

$$T = 6\% = 0.06$$

$$A = 7$$

$$A = P(1 - 1/3)$$

$$A = 1000(140.06)(\frac{125}{155})$$

1) What is the effective rate of interest for an investment at 17% compounded semiannually?

$$i = \left(1 + \frac{0.17}{2}\right)^2 - 1$$

1) If you deposit \$880 and after 5 months you have \$902, what is the interest rate?

22-366.467 r = 0.0599 = 0.06~100 6

1) If you invest \$1500 in an account that pays 11% per annum, and it earns \$82 in interest how long was the money invested?

$$P=1500 \Gamma=0.11$$
  
 $I=82$   
 $82+1500=$1582=A$   
 $A=1500(1+0.14)$   
 $1582=1500+1500(0.11)(+)$ 

82 = 165 + 0.4969 = +