July 8th 2014

$$P = \frac{1}{2} \frac{1}{2}$$

 $T = P(1+i)^{\gamma}$ When your investment will Double F= 2P 28= 8 (1+i)N $(1+i)^{N}=2$ Rule of 72 15 approx. [=]2 or N=12 Where I is not deand N=10 yn to Dodle $L = \frac{72}{10} = \frac{7.2}{0}$ L=10%, N=?+0 Double $N = 72/_{10} - 7.24PS$

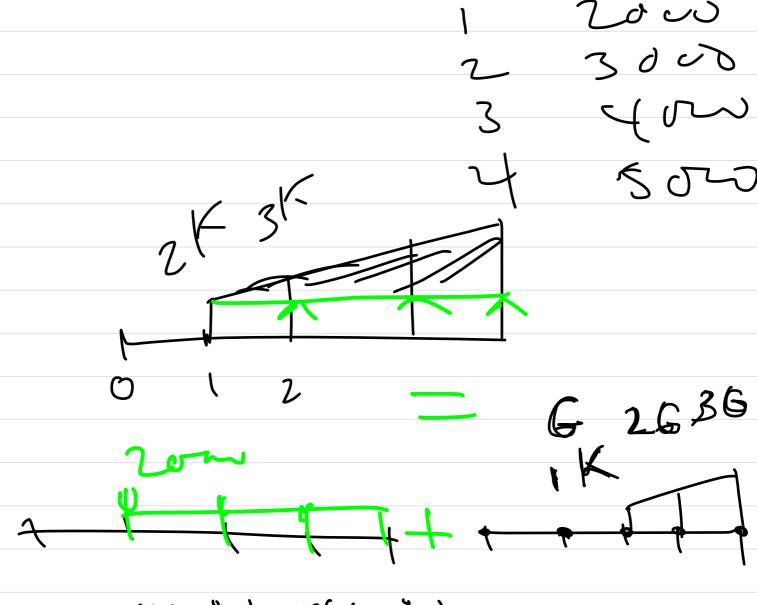
$$P/G, i, N = 6.862$$

$$P = (0 K (6.862) = 6862$$

$$P = P P/G$$

$$A = B (A G, vil, S) = 10^{K} \times 1.8101$$

$$= 18(01.44)$$



Nomnal de Effective

Comp. freq
$$F = ?$$
 [$2^{1/2}$, $\sqrt{1}$ mind APR

Comp. freq $F = ?$ [$2^{1/2}$ frechwe

Yearly $F = 1000 (1 + .12)^{1} = 1120 \frac{1120 \cdot 1000}{1000} = 12^{1/2}$

Semif. $F = 1000 (1 + .12)^{2} = 1123.60$ [$4 = \frac{1123.60.1000}{1000} = 12.55\%$

Morthly $F = 1000 (1 + .12)^{1} = 1124.9$ [$4 = \frac{1123.60.1000}{1000} = 12.55\%$

Why $F = 1000 (1 + .12)^{1} = 1127.3$ [$4 = \frac{1123.6000}{1000} = 12.75\%$

Cont. Compando

 $F = 1000 (1 + .12)^{1/2} = 1127.3$ [$4 = \frac{1123.6000}{1000} = 12.75\%$
 $F = 1000 (1.127.5) = 1127.5$ [$1 = \frac{1123.6000}{1000} = 12.75\%$

$$F = P(1+i)^{M}$$

$$LA = F - P = P(1+i)^{M} - P = P(1+i)^{$$

With an interest rate of 8% compounded semiannually, the value of a \$1,000 investment after 5 years is near:

 $F = 1000(1 + \frac{.07}{2(12)}$ $= 1000(1 + \frac{.07}{2})$

Maintenance costs of a machine are expected to be zero for the first 4 years, \$2000 in year 5, \$2500 in year 6, and amounts increasing by \$500 each year through year 10. At an interest rate of 8% per year, the value of n to use in the P/G equation for this problem:

For an interest rate of 2% per quarter, compounded continuously, the effective semiannual interest rate is:

8/ (Mu 4/ for Sen M For an interest rate of 2% per quarter, compounded continuously, the effective semiannual interest rate is: monthy 7 2) Sembray