(1) M = 2C  J = C  n? i: 12% a.a = 1% am

C = C . 0,02 . t

$\frac{C}{C} = 0,02 . t$

1 = 0,02t

$t = \frac{1}{0,02}$ → t = 50 = 4 anos e 2 meses

(2) i = 15% a.a  n: 8m = $\frac{2}{3}$ a  J = 1920

J = C . i . n

$1920 = C . 0,\frac{5}{15} . \frac{2}{3}$

1920 = C . 0,05 . 2

1920 = 0,1C

$C = \frac{1920}{0,1}$ ⇒ C = 19.200,00

(3) n = 12  PMT: 360  i: 3% am  VP?

f[CLx] → g[BEG] → 12n → 360 CHS PMT → 3i

VP = 3588,42

(4) i: 1,5% a.m  n: 3a = 36m  C = 6200

J?  M?

M = C (1 + i)^n

M = 6200 (1 + 0,015)^36

M = 6200 (1,015)^36

M = 6200 (1,70914)

M = 10.596,70

J = M - C

J = 10596,70 - 6200

J = 4396,70

(5) VF: 15000  n: 6m  i: 5% a.m

D = 15000 . 0,05 . 6

D = 4500,00

VL: 15000 - 4500

VL: 10.500,00

(6) VF: 1000  n: 3m  i: 5% a.m

D: 1000 . 0,05 . 3

D = 150,00

VL: 1000 - 150

VL: 850,00

(7) Dia: $\frac{2,5\%}{30}$ = 0,08% a.d

Ano → i = (1 + 0,025)^12 - 1

i = (1,025)^12 - 1

i = 1,3449 - 1

$i = \frac{0,3449}{100}$

i = 34,49%

(8) PV: 10000  n: 15  i: 2% a.m  PMT?

10000 CHS PV → 15n → 2i

PMT = 778,25

(9) PV: 875  n: 3  PMT: 300  i?

Postecipadas: 875 CHS PV  i = 1,42%

300 PMT

3n

Antecipadas: f[CLx]  i = 2,88%

g[BEG]

875 CHS PV

300 PMT

3n

(10) VN: 8800  n: 2  i: 5% a.m  D?

D = 8800 . 0,05 . 2

D = 880,00

(11) C: 2000  n: 7m  M: 2492,62  i?

$2492,62 = 2000 . (1 + i)^7$

$\frac{2492,62}{2000} = (1 + i)^7$

1,24631 = (1 + i)^7

1,03196 = 1 + i

$i = \frac{0,03196}{100}$ → i = 3,2%