④ $i_{sem} = \frac{0.24}{52} = 0.00461538$

$i_a = (1+i_{sem})^{13} - 1 = (1+0.00461538)^{13} - 1 = 0.067 = 6.7\%$

$r = 13\, i_{sem} = 13 \left(\frac{0.24}{52}\right) = 0.06 = 6.00\%. \ (=5.98\%)$

$r = 5.98\%$; $i_a = 6.17\%$ trimestral

⑤ $i_m = \frac{0.16}{12} = 0.0133333$

a) 3 Meses $\quad i_{3m} = (1+0.0133333)^3 - 1 = 0.0399 = 3.99\%$

$i_{6m} = (1+0.0133333)^6 - 1 = 0.0797 = 7.98\%$

$r_{24} = 24\,(0.0133333) = 0.3192 = 31.92\%$

a) 3.99% trimestral
b) 7.98% semestral
c) 31.92% bimensual

⑥ $B = 60{,}000 + 2{,}400{,}000\,(A/F) = 60{,}000 + 2{,}403.00 = 101.903$

$C = 640.000 + 4{,}000{,}000\,A/P = 640.000 + 4{,}000{,}000\,(0.11746) = 1{,}109{,}842$

$\frac{B}{C} = \frac{101{,}903}{1{,}109{,}842} = 0.092$

⑦ $\left(1+\frac{r}{4}\right)^4 = 1.15$

$r = 4\left[(1.15)^{1/4} - 1\right]$

$(1.15)^{1/4} = 1.0365$

$r = 4(0.0365) = 0.146 = 14.65\%$