



Comigc typ

FMD. Duplicata UOA

EXO 1 (7pt)

$L = 90w \rightarrow 6\% \Rightarrow \frac{L}{2} \rightarrow 2\% \Rightarrow \frac{L}{6} = 30w \Rightarrow l_g \cdot R_g = A^2$

$30 \times 1080 = A^2 \rightarrow A = \sqrt{32400} = 180 \rightarrow \text{Verificat: } (0,16)$

$L = 90 \Rightarrow R = \frac{180^2}{90} = 360 \rightarrow \text{Verificat: } R_{HN} (0,16)$   
 $\rightarrow \text{Verificat: } A (1,5)$   
 $\rightarrow \text{Verificat: } R_{d} (0,16)$

$d = 4\% \rightarrow l = \frac{4 \times 90}{6} = 60w \Rightarrow R_{(4\%)} = \frac{A^2}{60} = 1540 \mu (1)$

EXO 2:  $\Delta R = 3,2 = \Delta R = \frac{L^2}{24R} = 3,2 \Rightarrow L^2 = 12,8R \rightarrow (1)$

$Z = 0,00 = Z = \frac{L}{2R} = 0,08 \Rightarrow L = 0,16R \rightarrow (2)$

$(1) \Rightarrow L = 80 \mu \rightarrow \text{Verificat: } R_{HN} (0,16)$   
 $(2) \Rightarrow L = 80 \mu \rightarrow \text{Verificat: } R_{d} (0,16)$

$R = \frac{80}{0,16} = 500 \rightarrow R = 500 \rightarrow \text{Verificat: } R_{HN} (0,16)$   
 $\rightarrow \text{Verificat: } R_{d} (0,16)$

$A = R \cdot L \Rightarrow A = \sqrt{R \cdot L} = 200 \rightarrow \text{Verificat: } (0,5)$

~~$d = 4\%$~~

EXO 3

$x_2 = x_B - x_J = 500 \Rightarrow x_2 = R \cdot P_2 \Rightarrow R = \frac{x_2}{P_2} = \frac{400}{0,04} = 10000 (1)$

$\rightarrow \text{Verificat: } (Visibilitat)$   
 $\rightarrow \text{Verificat: } \text{Confer } (0,16)$

$\frac{P_1}{R} = \frac{x_1}{R} = \frac{500}{10000} = 0,05 = 5\% (1)$

$y_A = 1000w (0,16)$

$y_B = 112,5m (1)$

$y_C = 104,5 (1)$

$y = 112,00 \rightarrow x_1 = +100 = x_1 = 2700 (1)$   
 $\rightarrow x_2 = -100 = x_2 = 2900 (1)$

Amor (0,16)