PIB - involmo 2022/2023 - 2º Teste Parcial 1/3 6 fameiro 2023 45 45 45 1) a 5 c (2) a 5 1,5 1,5 315 1,5: (3) a 5 1,5 1,5 3 a 5 1,25 1,25 1 35 (b) a 5 1,5 1,5

$$\text{FM}_{f} = \frac{1}{11N} \cdot \text{F[0,0]} = \frac{1}{4\times4} \cdot 28 = \frac{28}{16} = \frac{7}{4} = \frac{1}{175} \cdot \frac{1}{40}$$

$$P_{1} = \frac{F_{1}}{11} = \frac{52}{14} = \frac{52}{16} = \frac{3}{125} \text{ w}$$
 (30)

5)
$$|FEU_1VJ| = \begin{bmatrix} 28 & 2VZ & 0 & 2VZ \\ 2VZ & 2 & 0 & 2 \\ \hline 0 & 0 & 0 & 0 \\ 2VZ & 2 & 0 & 2 \end{bmatrix}$$
 Centar $|F_{e}EU_{1}VJ| = \begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 2 & 2VZ & 2 \\ \hline 0 & 0 & 2VZ & 2VZ \\ \hline 2VZ & 2 & 0 & 2 \end{bmatrix}$

c)
$$Ff = 52 = A^2 + (-0.9239)^2 + (0.3827)^2 + (-1)^2 + (-0.92392)^2 + (0.3827)^2$$

 $(=) 52 = A^2 + 3$
 $(=) A^2 = 52 - 3 (=) A^2 = 49 (=) A = 7// 100$

Em altornation:

$$M_f = \frac{1}{\sqrt{1}} \cdot \frac{1}{\sqrt{N}} \cdot 6 \cdot \frac{1}{\sqrt{N}} = \frac{1}{\sqrt{N}} \cdot \frac{1}{\sqrt{N}} \cdot A = \frac{1}{\sqrt{75}} (=) \frac{1}{\sqrt{N}} \cdot A = \frac{1}{\sqrt{75}} (=) A = \frac{1}{\sqrt{75}} \times 4$$



