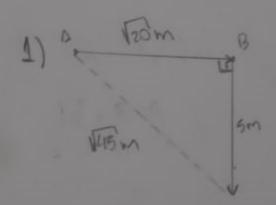
PROVA MUGA {PARY

MIRELA MEi - 11208392



Para achan av condendados de C: $|AB| = \sqrt{20} = (2,4)$ $|AB| = \sqrt{45} = (\sqrt{20},5)$ $|AC| = \sqrt{45} = (\sqrt{20},5)$ $|AC| = \sqrt{45} = (\sqrt{20},5)$ $|BC| = \sqrt{25} = (5,1)$ $|BC| = \sqrt{25} = (5,1)$ AB = B-A = (3,4)-(1,0) = (2,4) Sobre-Se gue |AB| = \(\frac{2^2 + 41^2}{2^2 + 41^2} = \tau \frac{720}{20}
\)
Por pringeras, km-Se

(\(\frac{720^2 + 5^2}{4} = (AC)^2\)
\(\frac{720^2 + 5^2}{4} = (AC)^2\)

b) \$\varpi x(\varpi x\varpi) -0 \varpi (\x_1, \chi_1, \varpi), \varpi (\x_2, \chi_2, \varpi), \varpi (\x_3, \chi_3, \varpi_3)

(1) (1) = | Y1 20 | 10 - | X1 21 | 1 + | X1 Y1 | 10 | X2 Y2 | 10 | X2

① $\overrightarrow{u}_{x}(\overrightarrow{u}_{x}\overrightarrow{v}) = \overrightarrow{x}$ $(y_{1}2_{2}-y_{1}2_{3})(x_{0}2_{2}-x_{2}2_{3})(x_{0}y_{2}-x_{2}y_{0})$

びx (はxず) = [43(x, y2-x2y)-23(x, 22-x22)]. ん - [x3(x, y2-x2y)-23(y, 22-y22)]. す + (x3(x, 22-x22)-43(y, 22-y22)]. よ + (x3(x, 22-x22)-43(y, 22-y22)]. ん

MATRIZ DOS COFATORES.

$$A^{-1} = \begin{pmatrix} 13125 & -4125 & -1125 \\ -1125 & 8123 & 2125 \\ -3125 & -1125 & 6125 \end{pmatrix}$$

$$A^{-2} = A^{-3} \cdot A^{-3} = \begin{pmatrix} 176/625 - 83/625 - 27/625 \\ -27/625 & 66/625 & 29/625 \\ -56/625 & -2/625 & 37/625 \end{pmatrix}$$

$$(A-I)^{-1} = \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 2 & -1 \\ 1 & 1 & 3 \end{bmatrix}^{-1} = \begin{bmatrix} 7/6 & -1/2 & -1/6 \\ -1/6 & 1/2 & 1/6 \\ -1/3 & 0 & 1/3 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 2 & 2 \\ 1 & 0 & 2 \end{bmatrix}$$

$$= \begin{bmatrix} 1 & 1/6 & -4/3 \\ 0 & 5/6 & 4/3 \\ 0 & -1/3 & 2/3 \end{bmatrix}^{-1} = \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & 2/3 & -4/3 \\ 0 & 1/3 & 5/6 \end{bmatrix}$$

5)
$$\begin{vmatrix} 32-41 \\ 1-513 \\ 5-5-3-3 \end{vmatrix}$$
 $\begin{vmatrix} 32-41 \\ 0-57-3-3 \\ 3-50 \\ 1-1-1-1 \end{vmatrix}$ $\begin{vmatrix} 32-41 \\ 0-57-40 \\ 0-51-4 \end{vmatrix}$

$$\begin{array}{c} -12x_{3} = 1 \\ -12x_{3} = -18 \end{array}$$