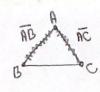
```
LISTA 1 - AVLC
```

ZH = 24-1

## Kailane EDUARDA FELIX DA SILVA



$$\frac{\text{Area} = 11 \text{ ATB x } \overline{\text{ACII}} = \sqrt{29}}{2} \left( \frac{\cancel{2}}{\cancel{2}^{2}} \right) \cancel{\cancel{2}} \left( \frac{\cancel{2}^{2}}{\cancel{2}^{2}} \right) \cancel{\cancel{2}}$$

$$\frac{29}{4} = \frac{4^2 + (-x)^2 + (4 - 2x)^2}{4}$$

$$29 = 5x^2 + 16x + 32$$

$$Y_1 \begin{cases} y_1 = -3x + 2 \\ z_1 = 3x - 1 \end{cases}$$
  $Y_2 \begin{cases} x_2 = -T \\ y_3 = 2 + 2T \\ z_4 = -2T \end{cases}$   $Y_3 = -2(-1)$   $Y_4 = -2(-1)$   $Y_5 = -2(-1)$ 



4 DEFININDO 1+11

$$-3x+2=4+2T$$

$$2T+3X=1$$

$$\begin{array}{c} \boxed{X = -T} \\ 2T + 3(-T) = 1 \\ 2T - 3T = 1 \\ -T = 1 \\ \boxed{T = -1} \end{array}$$

$$X = \frac{-b \pm \sqrt{b^2 - 40C}}{20} \Rightarrow X = \pm 16 \pm \sqrt{16^2 - 4.53}$$

$$X = +16 \pm \sqrt{256 - 60} = X = 16 \pm 14$$

$$X_1 = \frac{30}{40} = 3$$

$$x_{L} = \frac{2}{10} = \frac{1}{5}$$

$$X_1 = \frac{30}{10} = 3$$

PORTANTO, O VALOR DE X

 $X_2 = \frac{2}{10} = \frac{1}{5}$ 

PORTANTO, O VALOR DE X

PAIA UM THÔNGUIO DE X

ORRA VZ9 PODE SER

$$X = -(-1)$$

$$X = 4$$

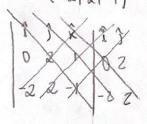
Logo, o ponto de intersecção & PI(11-1,2)

$$Y = \begin{cases} x = 1 - 2T \\ y = 2T \\ z = 2 - T \end{cases}$$

paralelogramo Farmoido poe AP E VI.

tal que a á bea de sse paralelo glomo se do por 1/APXVII.

$$\overline{AP} = (4_1 z_1 z_3) - (1_1 0_1 z_2) = (0_1 2_1 1)$$
  
 $\overline{V} = (-2_1 2_1 - 1)$ 



$$0 = \frac{||\overline{AP} \times \overline{V}||}{||\widehat{V}||} = \frac{6}{3} = 2$$

logo, a distância entre o ponto (P) e a retai r & 2 (univades de comprimento).

\* MÓDUNO DE J

© 
$$\vec{V} = (1,1,0)$$
  
 $\vec{V} = (2,0,1)$ 

$$\omega_1 = 3\overline{0} - \overline{z}V$$

$$\omega_2 = \overline{0} + 3\overline{1}$$

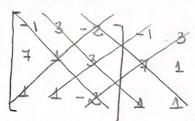
$$\omega_3 = \overline{1} + \overline{1} - 2\overline{k}$$

\* carculando w, =

\* carculando we

a calculando w3

\* PRODUTO MISTO



2+9+(-14)-42-(-3)-(-2)

-3+47 = 440

| [w1, w2, w3| = |441 = 44 UNIDADES DE NOWME.