Gobniel Duonte · 中で= (2,6) , aボ= (0,6) F) Se, H+eV pentencem a V, entro V+ x EV; (BE FOR GOOD RELEASED Se, il pentence a V e X é um vicalon gualque entro XIIEV 01e5 d) Axioma 7  $\alpha(\vec{u} + \vec{v}) = \alpha \vec{u} + \alpha \vec{v}$ 3(2+6)=3(-1,2)+3(3,4) (2,6) = (-3,6) + (9,12) (6,18)= (6,18) Axioma9 Axioma 8 possessia (a+b) = a = b = a(6+): (ab) 4 (a+b)(5,2)=a(5,2)+b(5,2)a(b(-1,2))=(ab)(-1,2) (-a, -b, 2a+2b) = (-a, 2a) + (-b, 2b) )a(-b,2b)=(-ab,2ab) (-b, 2ab)= (-ab, 20b) (-a-b, 2a+2b) = (-a-b, 20+2b)

e) 
$$J \cdot H = H$$
 $J \cdot (-3, 2) = (0, 2) + H$ 

Q Axioma 1 está no final

(1, X) + (1, X') = (1, X') + (1, X)

(1, X' \( \) \( \) = (1, X' \( \) \( \) \( \) = (1, X' \( \)

$$a[(1, x_1) + (1, x_2)] = a(1, x_3) + a(1, x_2)$$

$$(1, ax_1 + ax_2) = (1, ax_1 + ax_2)$$

## Axioma 8.

$$(a + b) (1, x_3) = a(1, x_1) + b(1, x_1)$$

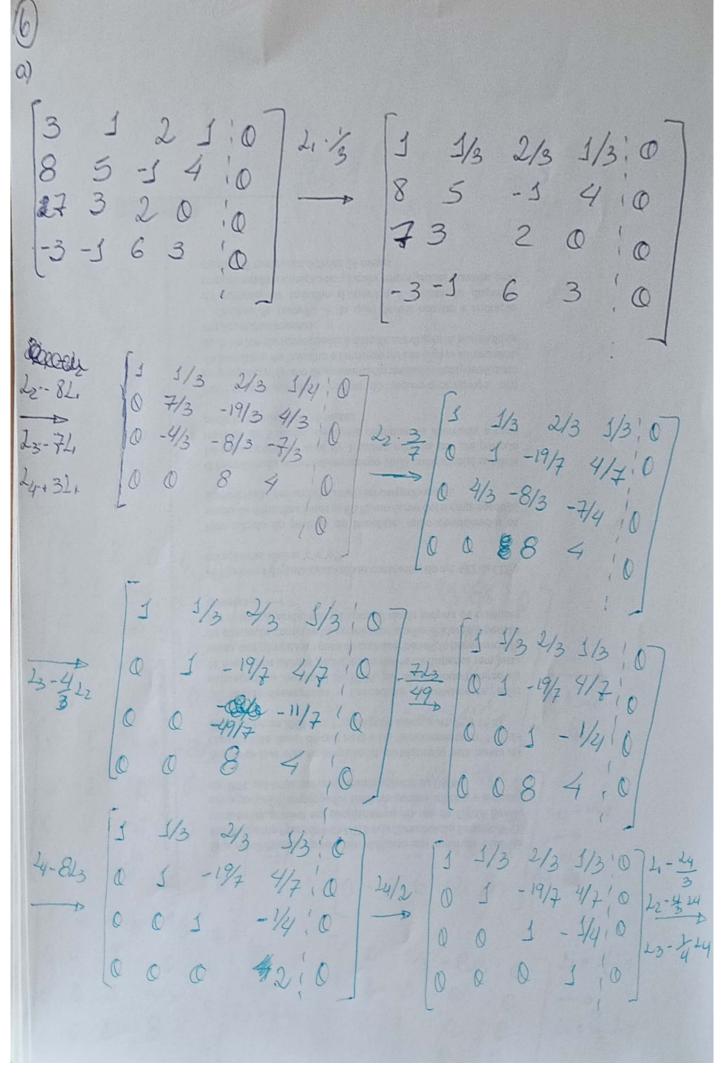
$$(ax_1+bx_1)$$
 =  $(1,ax_1)+(1,bx_1)$ 

$$(bx)$$
  $(ax)$   $(ax)$   $(ax)$   $(ax)$   $(ax)$ 

## Axiema 9

Exioma 10 1. (1, X1) = (1, X1) Axiomas (1, x,) + (1, x2) (1, x+x2) a) É subespaço (a, 0,0) + (a, 0,0) = (a, +02, 0,0) a(a,,0,0) (aa,,0,0) b) Não é Subuspaço (0, 1, 1) + (02, 5, 1) = (a,+a2, 2, 2) x(a,, 1, 1) = (xa, x, x) () & subscriptions (a, , &, , C,) + (az, &, Cz) = (as+az, as+Cs+az+Cz\*, C1+Cz) x (a, a, +c,, c,) = (xas, xas+xcs, xcs) d) Não é sub espoço (as, as+g+s, cs)+ (az, az+cz+s, cz) = (as+az, as+cs+az+cz+z, cz+c) d(as, as+cs+s, cs) = (xas, xas + xcs + x, cs)

e) É subespoço (as \$ bs \$0) + (az \$bz \$0) = (as +az, bs +bz, 0) a(as , bs , 0) = (aas abs, 0) [2 2 2:22 0 0 3:00 0 1 1 0 1 0+0+0-(0+6+0) Det = -6 ~> Det + 0 gena veton IR'  $\begin{bmatrix} 3 & 1 & 4 \\ 2 & -3 & 5 \\ 5 & -2 & 9 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_3} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 2 & -3 & 5 \\ 2 & -3 & 5 \\ 5 & -2 & 9 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 2 & -1/3 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 4/3 \\ 0 & -1/3 & 7/3 \\ 1 & 4 & -1 \end{bmatrix} \xrightarrow{2_1 \cdot 1_2 \cdot 2_{11}} \begin{bmatrix} 1 & 1/3 & 1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3 & -1/3 \\ 0 & -1/3$  $\begin{bmatrix}
1 & \frac{3}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
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0 & \frac{1}{3} & \frac{21}{3}e
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\end{bmatrix}$   $\begin{bmatrix}
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\end{bmatrix}$   $\begin{bmatrix}
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0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
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0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
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0 & \frac{1}{3} & \frac{21}{3}e
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\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3} & \frac{21}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} \\
0 & \frac{1}{3}e
\end{bmatrix}$   $\begin{bmatrix}
\frac{1}{3} & \frac{1}$ 



X,= 0 Não são linearmente -4/3-8/310  $\begin{bmatrix}
1 & 0 & -4/3 & -8/3 & 0 \\
0 & 1 & 0 & 0 & 0 \\
0 & 0 & 1 & 2/3 & 0 \\
0 & -6 & 6 & 12 & 0
\end{bmatrix}$   $\begin{bmatrix}
1 & 0 & -4/3 & -8/3 & 0 \\
24 & -642 & 0 \\
24 & -643 & 0
\end{bmatrix}$ 

 $\begin{bmatrix}
1 & 0 & 0 & 0 & 0 \\
0 & 1 & 0 & 0 & 0
\end{bmatrix}$   $\begin{array}{c}
X_1 = 0 \\
X_2 = 0
\end{array}$   $\begin{array}{c}
N_{00} = 5_{00} = 1_{\text{inecommente}} \\
0 & 0 & 0 & 0
\end{array}$   $\begin{array}{c}
X_3 = 0 \\
0 & 0 & 0 & 1
\end{array}$   $\begin{array}{c}
X_4 = 0 \\
0 & 0 & 0
\end{array}$   $\begin{array}{c}
X_4 = 0 \\
0 & 0
\end{array}$   $\begin{array}{c}
X_4 = 0 \\
0 & 0
\end{array}$   $\begin{array}{c}
X_4 = 0 \\
0 & 0
\end{array}$ 2 -3 1 2 -37 4 5 1 4 5 28 - (0 = 124 - 12 -26 + 26

Não 500 Linean ment.

inde pendentes

