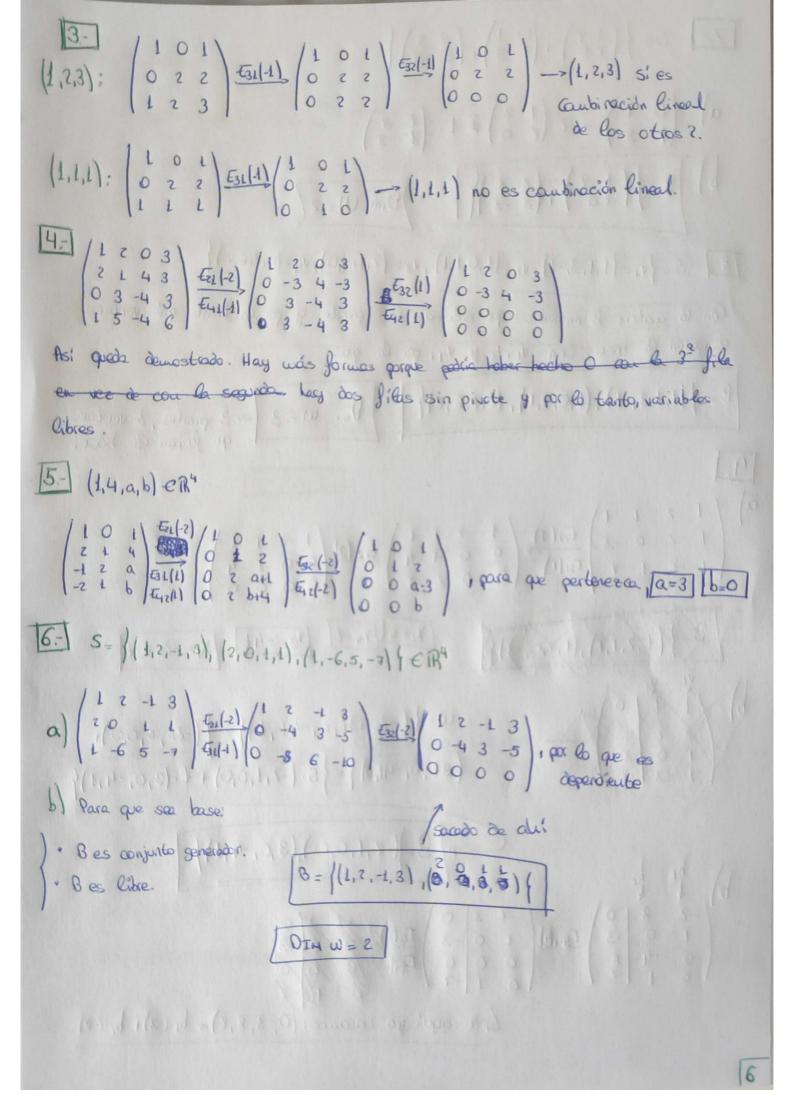
Suma ->
$$(x_1, x_2) + (y_1, y_2) = (x_1 + y_1, x_2 + y_2) = (0, x_2 + y_2), (0,0) \in Suma.$$

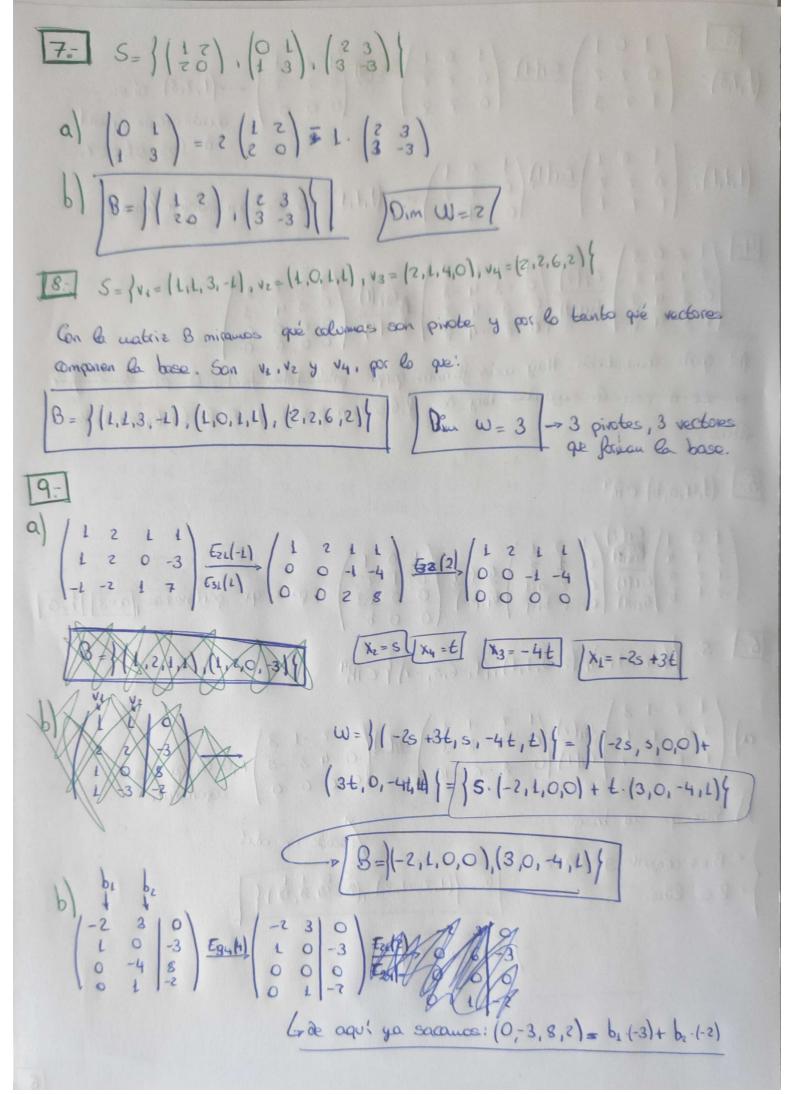
Roducto per escalar -> $\lambda(x_1, x_2) = (\lambda x_1, \lambda x_2) = (\lambda \cdot 0, \lambda \cdot x_2) = (0, \lambda \cdot x_2), (0, 0) \in \text{producto}$ b), c) ... -> herer & uniscue

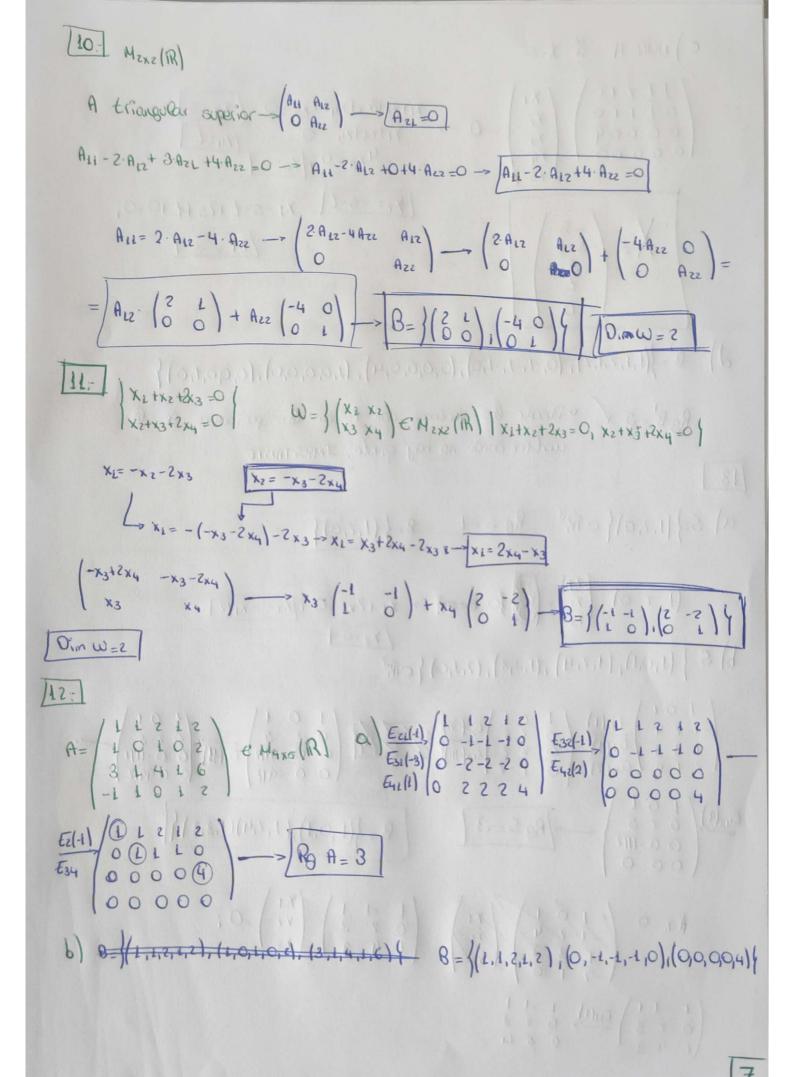
$$\begin{pmatrix}
1 & 0 & 0 \\
0 & 1 & 0 \\
0 & 0 & 1
\end{pmatrix}$$

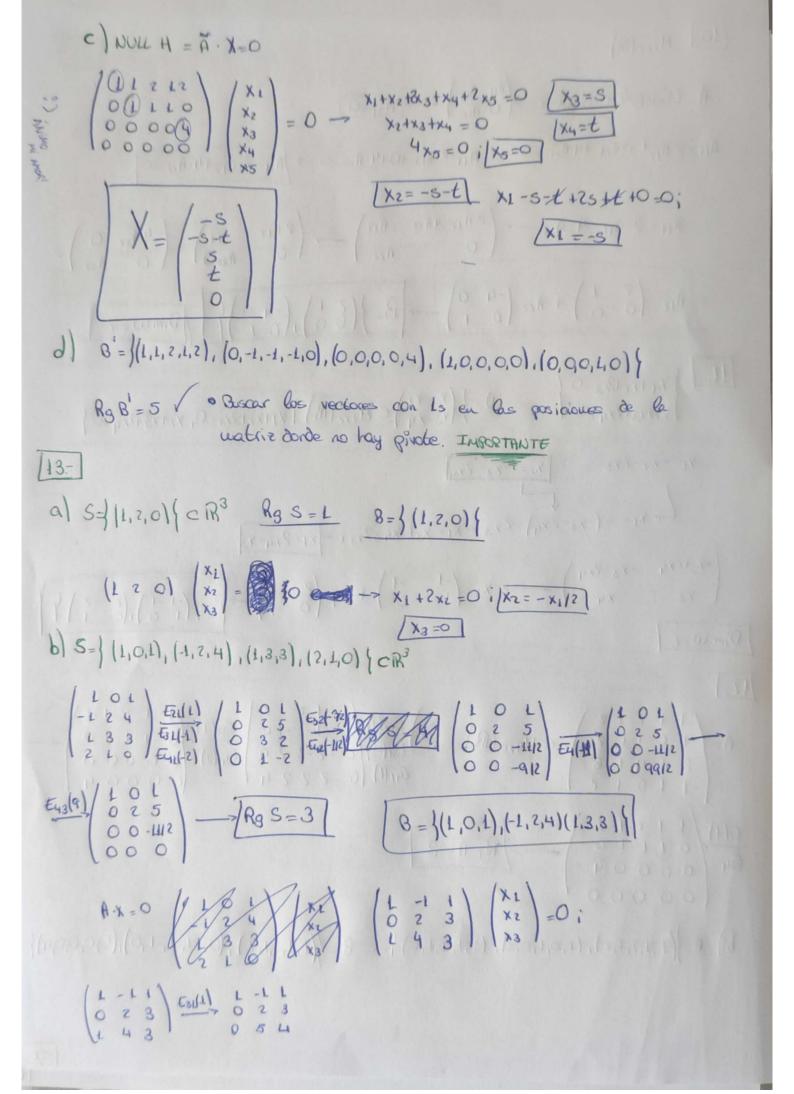
$$\begin{bmatrix}
2 = 0 \\
9 = 0
\end{bmatrix}$$

$$\begin{bmatrix}
x = 0 \\
0
\end{bmatrix}$$

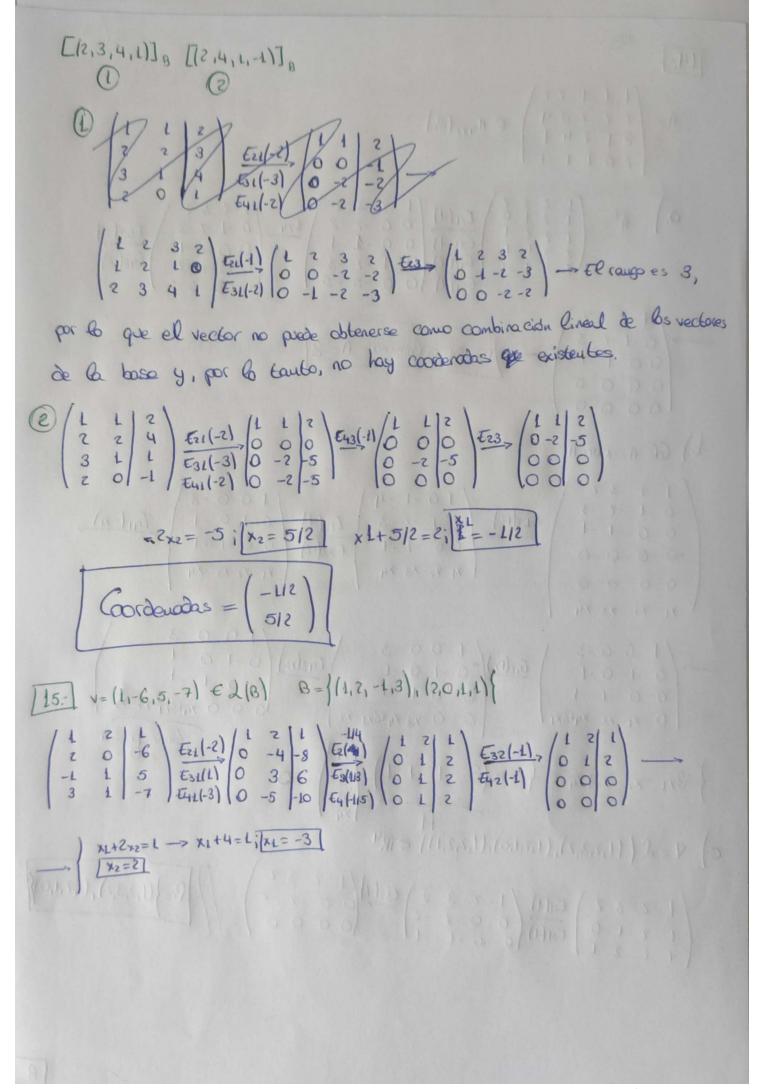








A= | 2 2 2 3 4 | E 44x5 (R) reg on reduce to the de reg 00000 b) GO A= NULL H $\frac{E_{2}(+2)}{\sum_{i=1}^{2} (+2)} \begin{cases}
1 & 0 & -1 & -4 \\
0 & -1 & -2 & -3 \\
0 & 0 & -1 & -1 \\
x_{1} & x_{2} & x_{3} & x_{4}
\end{cases}
\underbrace{E_{13}(-1)}_{E_{23}(-2)} \begin{cases}
1 & 0 & 0 & -3 \\
0 & -1 & 0 & -1 \\
x_{1} & x_{2} & x_{3} & x_{4}
\end{cases}
\underbrace{E_{13}(-1)}_{E_{23}(-2)} \begin{cases}
1 & 0 & 0 & -3 \\
0 & -1 & 0 & -1 \\
x_{1} & x_{2} & x_{3} & x_{4}
\end{cases}$ c) V= L((1,2,3,2),(1,2,1,0),(1,2,2,1)) = R4 $\begin{pmatrix}
1 & 2 & 3 & 2 \\
1 & 2 & 1 & 0 \\
1 & 2 & 2 & 1
\end{pmatrix}
\underbrace{\text{Ess(4)}}_{0} \begin{pmatrix}
1 & 2 & 3 & 2 \\
0 & 0 & -2 & -2 \\
0 & 0 & -1 & -1
\end{pmatrix}
\underbrace{\text{Ess(4)}}_{0} \begin{pmatrix}
1 & 2 & 3 & 2 \\
0 & 0 & -2 & -2 \\
0 & 0 & 0 & 0
\end{pmatrix}
\left[
\begin{array}{c}
B = \frac{1}{2}(1,2,3,2), (1,2,1,0) \\
0 & 0 & -1 & -1
\end{array}
\right]$



[16]
$$A = \begin{pmatrix} 0 & -4 \\ 2 & 1 \end{pmatrix}$$
 [A] $A = \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$ [A] $A = \begin{pmatrix} 0 & 1 \\ 2 & 1 \end{pmatrix}$ [A] $A = \begin{pmatrix} 0 & 1 \\ 2 & 1 \end{pmatrix}$ [B] $A = \begin{pmatrix} 0 & 1 \\ 1 & 2 \\ 1 & 0 \end{pmatrix}$ [C] $A = \begin{pmatrix} 0 & 1 \\ 1 & 1 \end{pmatrix}$ [C] $A = \begin{pmatrix} 0 & 1 \\ 1 & 2 \\ 1 & 0 \end{pmatrix}$ [C] $A = \begin{pmatrix} 0 & 1 \\ 1 & 1 \end{pmatrix}$ [C] $A = \begin{pmatrix}$

