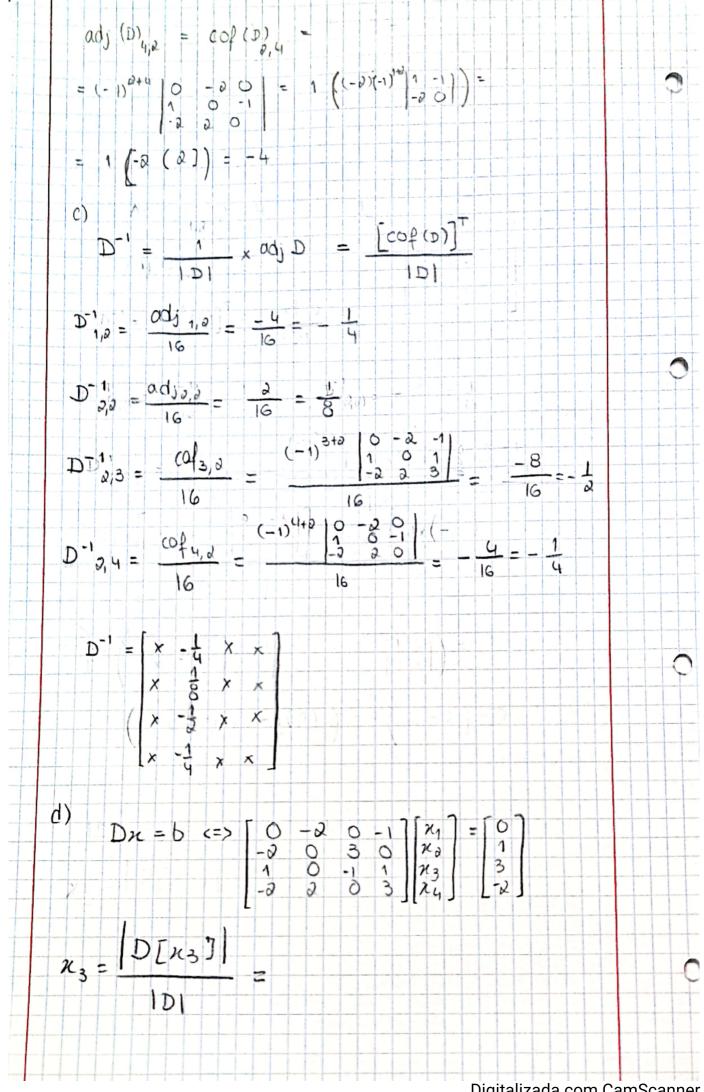
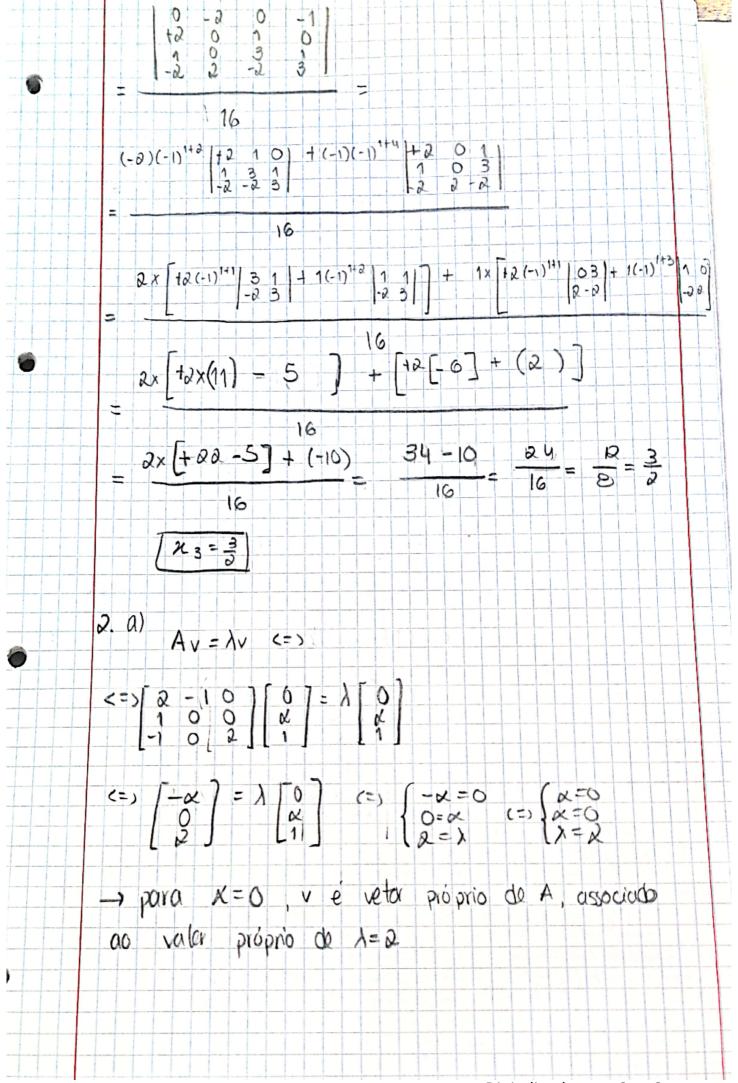
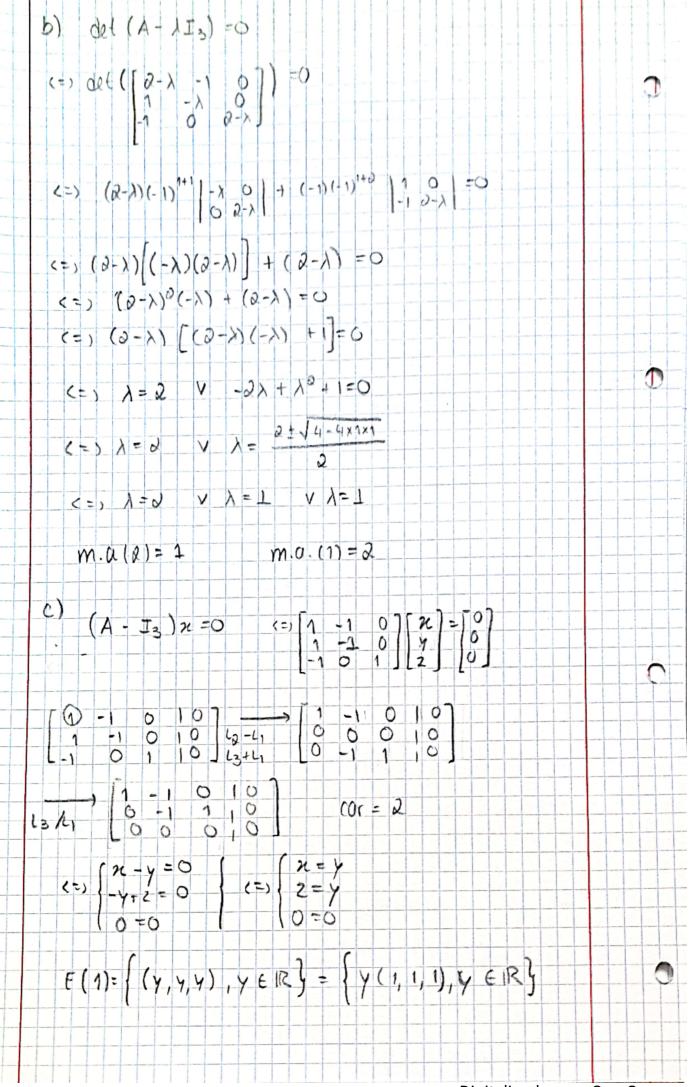
	Frequência 2017/2018 (18/12/17)
	1. a). n método: Regio de Captare
	$ D = (-2)(-1)^{1+2} \begin{vmatrix} 2 & -3 & 0 \\ 1 & -1 & 1 \\ -2 & 0 & 3 \end{vmatrix} + (-1)(-1)^{1+4} \begin{vmatrix} 2 & 0 & -3 \\ 1 & 0 & -1 \\ -2 & 2 & 0 \end{vmatrix}$
	$= 2 / 2 \times (-1)^{1+1} -1 1 + (-3)(-1)^{1+2} 1 1 + 1 / 2(-1)^{1+1} 0 - 1 + (-3)(-1)^{1+3} 1 0 0 0 0 0 0 0 0 0$
•	$= 2[2\times(-3) + 3(3+2)] + [2(2) - 3(2)]$
	= 2 (-6+15) + [4-6] =1 18-2=16
	b) $(0 \neq 0)_{3,3} = (-1)^{3+3} \setminus 0 - 2 - 1 \setminus = $ $\begin{vmatrix} -2 & 2 & 3 \end{vmatrix} = $
©	$= -\left(1 \left(-1\right)^{2+1} - 2 - 1\right) + \left(-2\right)(+1)^{3+1} \left[-2 - 1\right] = 0$
	= - (-(-6+2) - 2(-2)) = - [4+4] = -8

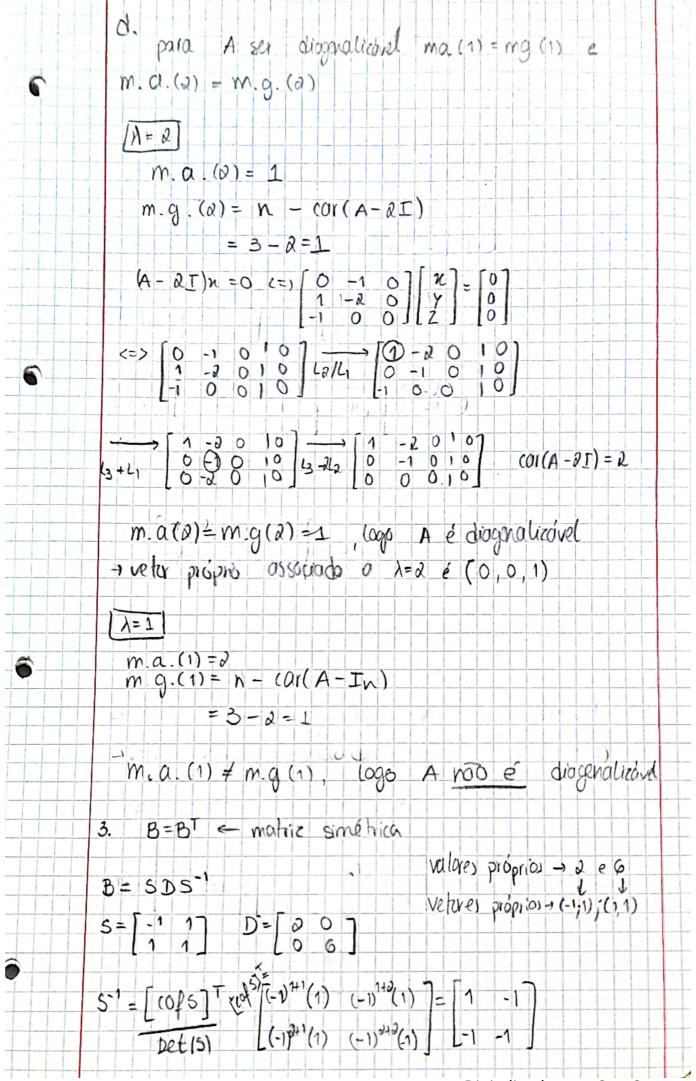


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$\begin{bmatrix} -1 & 1 \\ 1 & 1 \end{bmatrix} \begin{bmatrix} 2 & 0 \\ 0 & 6 \end{bmatrix} \begin{bmatrix} -1 & 1 \\ 2 & 2 \end{bmatrix} = \begin{bmatrix} -2 & 6 \\ 2 & 6 \end{bmatrix} \begin{bmatrix} -1 & 1 \\ 2 & 6 \end{bmatrix} \begin{bmatrix}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