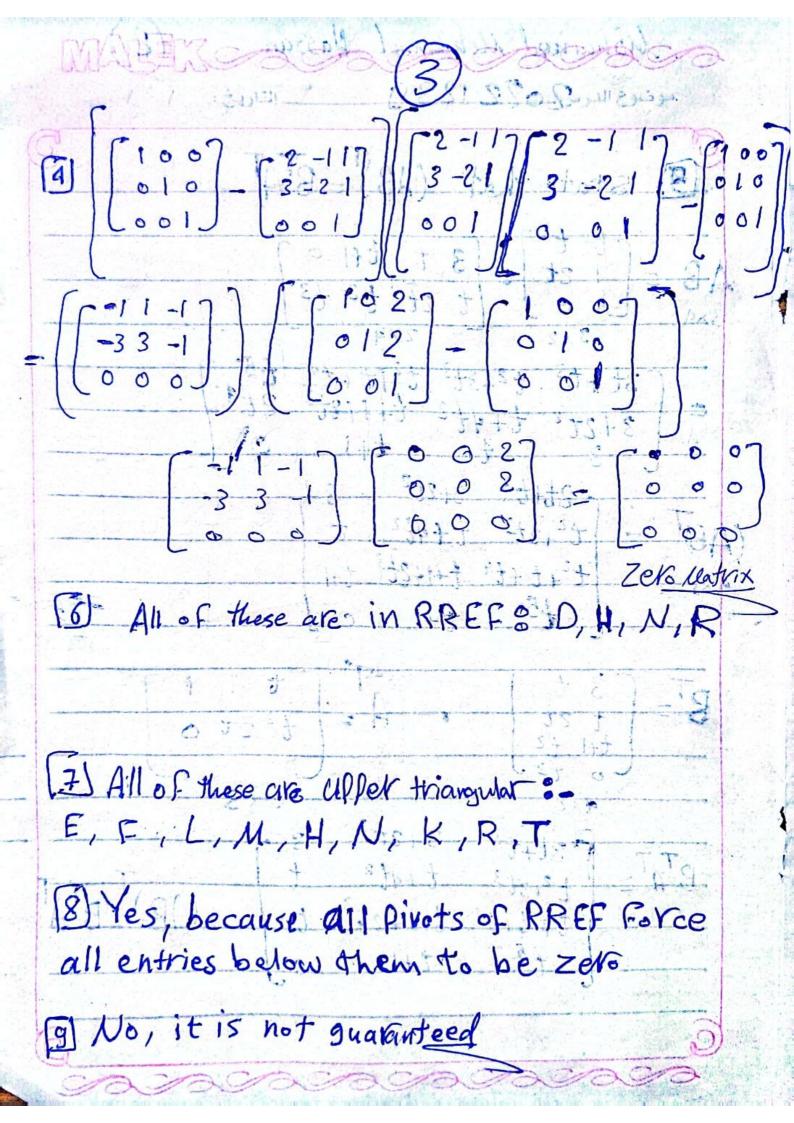
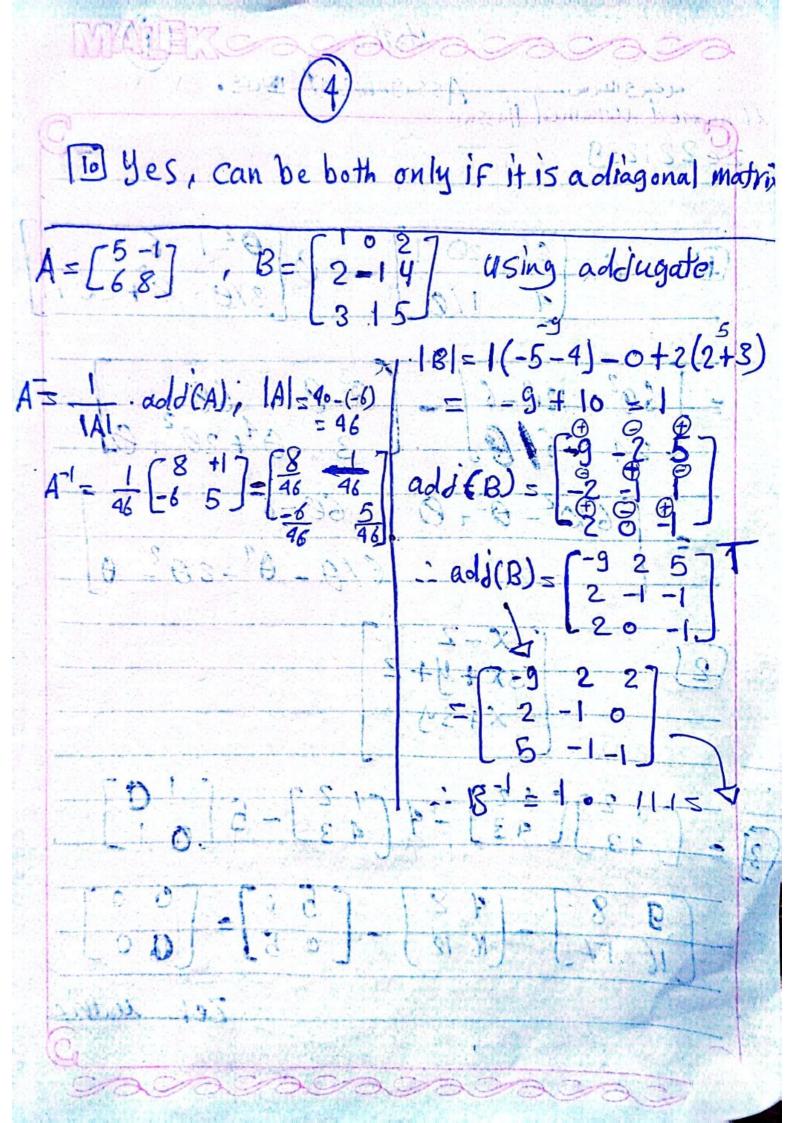
Mohamed Mohamed Hassan 20221239 $= \begin{bmatrix} 60^{2} & 120 - 6 \end{bmatrix} - \begin{bmatrix} \theta^{3} - 0 & 60 \\ 3 & \theta^{4} + 20^{2} + 0 \end{bmatrix} - \begin{bmatrix} 0 & 0 & 60 \\ 3 & \theta^{4} + 20^{2} + 0 \end{bmatrix}$ $\begin{bmatrix} 60^{2} - \theta^{3} + \theta & 60 - 6 \\ 21 & 610 - \theta^{4} - 2\theta^{2} - \theta \end{bmatrix}$ $\begin{array}{c|c}
\hline
2 \\
\hline
3x+y+z \\
\hline
x+3y
\end{array}$ $3 = \begin{bmatrix} 12 \\ 43 \end{bmatrix} \begin{bmatrix} 12 \\ 43 \end{bmatrix} - 4 \begin{bmatrix} 12 \\ 43 \end{bmatrix} - 5 \begin{bmatrix} 10 \\ 0 \end{bmatrix}$ $= \begin{bmatrix} 9 & 8 \\ 16 & 17 \end{bmatrix} - \begin{bmatrix} 4 & 8 \\ 16 & 12 \end{bmatrix} - \begin{bmatrix} 5 & 0 \\ 0 & 5 \end{bmatrix} = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$ Zevo Matrix

Mohamed Mohamed Hassan 2022 1239 3 State that (AB) = BTAT $\begin{bmatrix} t & t^{2} \\ 1 & 2t \end{bmatrix} = \begin{bmatrix} 3 & t & t+1 & 0 \\ t & 2t & t^{2} & t^{3} \end{bmatrix}$ $\begin{bmatrix} 3 & x^{2} & 2x^{4} & 2x^{4} \\ 3x^{2} & 2x^{4} & 3 \end{bmatrix}$ $= \begin{bmatrix} 3t+t^3 & t^2+3t^3 & t^2+t+t^4 & t^5 \\ 3+2t^2 & t+4t^2 & t+1+2t^3 & 2t^4 \\ 3 & t & t+1 & 0 \end{bmatrix}$ -8t+t3 3+2t2 3 (AB) = | t2+3t3 ++4t2 t 13 | t2+t+t9 ++++2t3 ++1 2. M. 1 (+5 736A MOS) See 11 $\begin{bmatrix} 3 & t \\ t & 2t \\ t+1 & t^2 \\ o & t^3 \end{bmatrix} A = \begin{bmatrix} t & 1 & 1 \\ t^2 & 2t & 0 \end{bmatrix}$ MUDDINE NOUTH TOURS AT TO HA all entries to ello direlation of the

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MAN (B)

Using Guass jobolan elemination

AY	1B)
5-1 1 0 7 R1+5 (1 = 1 5 6 8	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\frac{1}{5}R_2 + R_1 \rightarrow R_1 = \begin{bmatrix} 1 & 0 & \frac{4}{23} \\ 0 & 1 & -\frac{3}{23} \end{bmatrix}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$A^{-1} - \begin{bmatrix} \frac{4}{23} & \frac{1}{46} \\ -\frac{3}{23} & \frac{5}{46} \end{bmatrix}$	7 0 1 -3 0 1
23 46	$= \begin{bmatrix} 0 & 0 & 2 & 1 & 0 & 0 \\ 0 & 1 & 0 & 2 & 1 & 0 \\ 0 & 0 & -1 & -5 & 1 & 1 \end{bmatrix}$
	-R3-0R3 - (102/100)
	R1-2R3-0R1
6.98989	0 1 0 2 -10 (-9 22