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	BHV/20/04/05/0010
	COMBUTER SCIENCE
	100 LVL
1	a Execute the debermant of the Matrix
	$A = \begin{pmatrix} 1+2 & 0 & 1 \\ 5 & 1+3 & 1 \\ 1 & -1 & 1+44 \end{pmatrix}$
	100000
	b Suppose the matrix (2x3 x+1) is symmetric, filed x
ART (************************************	c Let A = (4-3), Evaluable + (A), where for = 2x3-4x2+5x+3
2 a	Silve by Mabrin hverse method the system of agradions
	$x_1 + 2x_2 - x_3 = 3$
	$2x_1 + 5x_2 - 4x_3 = 5$
	the same of the sa
	$3x_1 + 4x_2 + 2x_3 = 12$
Ь	Conven that matrix
ķ	$A = \begin{pmatrix} 1 & -1 & 2 \\ 0 & 3 & 4 \end{pmatrix}$ $B = \begin{pmatrix} 4 & 0 & -3 \\ -1 & -2 & 3 \end{pmatrix}$ $C = \begin{pmatrix} 2 \\ -1 \\ 3 \end{pmatrix}$ Find (i) AB (ii) B((iii) B ^T C
	STATE IS
С	Solve the following system of equations by row reducing the trymented Matrix
	2x + y - 2z = 8
	3x + 2y - 43 = 15
	5x + 4y - Z = 1
	Solution
la	$A = \begin{pmatrix} 6+2 & 0 & 41 \\ 5 & 6+3 & 1 \\ 6 & -6 & 6+4 \end{pmatrix}$
	(b -6 6+4)
	Form On Subbrack & from a11, a22, a33
	$A = \begin{pmatrix} 2 & 0 & 1 \\ 5 & 3 & 1 \\ 6 & -b & 4 \end{pmatrix}$
	of 1st ran: