AST Assignment#02

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Dustion no.1;

$$A = \begin{vmatrix} 3 & 2 & 1 \\ 1 & 2 & 0 \\ 2 & 3 & 2 \end{vmatrix}, B = \begin{vmatrix} 1 & 3 \\ 2 & 1 \\ 4 & 5 \end{vmatrix}$$

Evolute if Possible:

i) A+B.

Solution:

ij AG.

Solution;

UI BTA.

Solution:

$$B^{T}A = \begin{vmatrix} 1 & 2 & 4 \\ 5 & 1 & 5 \end{vmatrix} \times \begin{vmatrix} 3 & 2 & 1 \\ 1 & 2 & 0 \\ 2 & 5 & 2 \end{vmatrix}$$

Question no. 3

Solve by Gauss's Elimination Rule.

Solution;

OCo-effecient of Motring.

$$A = \begin{bmatrix} 1 & 2 & 1 \\ 2 & 5 & -1 \\ 1 & -1 & 2 \end{bmatrix}, B = \begin{bmatrix} 5 \\ 8 \\ -1 \end{bmatrix}$$

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$$X = \begin{vmatrix} x_1 \\ x_2 \\ x_3 \end{vmatrix} = \begin{vmatrix} ? \\ ? \\ 2 \end{vmatrix}$$

O Trass Elimination Role.

Augmented Matrix system:

	A	B		Row Operations	(Proposed)
1	2 1	3		0- 10=	
_	3 -1	8	Shifting	R2-) R3	
1	-12	-1	Snifting	Rg -> R2	
1	21	13	(Applied)	THE RESERVE THE PROPERTY OF TH	the state of the second place and any the second particles and any and applications and the second particles are secon

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Solution;

: Interchanging them.