Mathematics1

Submitted
by
Rima Akter
(TEX2001019010)
19A(hena)

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17.If A=
$$\begin{bmatrix} -3 & 8 \\ 3 & 5 \end{bmatrix}$$
 And B = $\begin{bmatrix} -3 & -8 \\ 3 & -5 \end{bmatrix}$ Find B-A.

Solution: B-A =
$$\begin{bmatrix} -3 & -8 \\ 3 & -5 \end{bmatrix}$$
 - $\begin{bmatrix} -3 & 8 \\ 3 & 5 \end{bmatrix}$

B-A = $\begin{bmatrix} 6 & -16 \\ 0 & -10 \end{bmatrix}$ answer

Solution:
$$B^T = \begin{bmatrix} 2 & -1 \\ -3 & 4 \end{bmatrix}$$
 answer

19. If B =
$$\begin{bmatrix} 1 & 0 \\ 4 & 7 \end{bmatrix}$$
 Find 2B And -3B.

20. If
$$A = \begin{bmatrix} 2 & 3 \\ 1 & 4 \end{bmatrix}$$
 and $B = \begin{bmatrix} 5 & 1 \\ 0 & 3 \end{bmatrix}$ Find AB and BA. Is AB= BA?

Solution: AB =
$$\begin{bmatrix} 2 & 3 \\ 1 & 4 \end{bmatrix}$$
 X $\begin{bmatrix} 5 & 1 \\ \end{bmatrix}$

BA =
$$\begin{bmatrix} 5 & 1 \\ 0 & 3 \end{bmatrix}$$
 X $\begin{bmatrix} 2 & 3 \\ 1 & 4 \end{bmatrix}$