

Linear Algebra Foundations #3- Matrix Multiplication

Matrix Multiplication

Two matrices of size 2x2 are multiplied as shown below. Find the integers A , B , C , D in the resultant matrix.

$$\begin{bmatrix} 1 & 2 \\ 2 & 3 \end{bmatrix} \times \begin{bmatrix} 4 & 5 \\ 7 & 8 \end{bmatrix} = \begin{bmatrix} A & B \\ C & D \end{bmatrix}$$

In the text box below, enter each of the four integers, A , B , C , D on a new line.