

Linear Algebra Foundations #4- Matrix Multiplication

Matrix Multiplication

Two matrices of size 3x3 are multiplied as shown below. Find the integers $A, B, C, D, E, F, G, H, I$ in the resultant matrix.

$$\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 1 & 1 & 1 \end{bmatrix} \times \begin{bmatrix} 4 & 5 & 6 \\ 7 & 8 & 9 \\ 4 & 5 & 7 \end{bmatrix} = \begin{bmatrix} A & B & C \\ D & E & F \\ G & H & I \end{bmatrix}$$

In the text box below, enter each of the 9 integers, A, B, C, \dots, I on a new line.