

# Linear Algebra Foundations #2 - Matrix Subtraction

## Matrix Subtraction

A matrix of size 3x3 is subtracted from another of a similar size. Find the integers  $A$ ,  $B$ ,  $C$ ,  $D$ ,  $E$ ,  $F$ ,  $G$ ,  $H$ ,  $I$  in the resultant matrix.

$$\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 1 & 1 & 1 \end{bmatrix} - \begin{bmatrix} 4 & 5 & 6 \\ 7 & 8 & 9 \\ 4 & 5 & 0 \end{bmatrix} = \begin{bmatrix} A & B & C \\ D & E & F \\ G & H & I \end{bmatrix}$$

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