

Jawablah soal-soal berikut dengan tepat!

Misalkan terdapat dua matriks:

$$A = \begin{pmatrix} 3 & 1 \\ 2 & 4 \end{pmatrix}$$

$$B = \begin{pmatrix} 5 & 2 \\ 1 & 3 \end{pmatrix}$$

Hitunglah $A + B$ dan $A - B$.

Untuk $A + B$:

$$A + B = \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right) + \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right) = \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right)$$

Untuk $A - B$:

$$A - B = \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right) - \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right) = \left(\begin{array}{|c|c|} \hline \textcolor{blue}{\boxed{}} & \textcolor{blue}{\boxed{}} \\ \hline \end{array} \right)$$

Misalkan terdapat dua matriks:

$$E = \begin{pmatrix} 2 & 1 \\ 3 & 4 \end{pmatrix}$$

$$F = \begin{pmatrix} 5 & 2 \\ 1 & 3 \end{pmatrix}$$

Hitunglah $E \times F$.

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Untuk mengalikan kedua matriks tersebut, kita perlu mengalikan setiap elemen baris dari matriks pertama dengan setiap elemen kolom dari matriks kedua, dan menjumlahkan hasilnya.

$$E \times F = \begin{pmatrix} \text{blue square} & \text{blue square} \\ \text{blue square} & \text{blue square} \end{pmatrix} \times \begin{pmatrix} \text{blue square} & \text{blue square} \\ \text{blue square} & \text{blue square} \end{pmatrix}$$

$$= \left(\begin{array}{cc} \text{blue square} \times \text{blue square} + \text{blue square} \times \text{blue square} & \text{blue square} \times \text{blue square} + \text{blue square} \times \text{blue square} \\ \text{blue square} \times \text{blue square} + \text{blue square} \times \text{blue square} & \text{blue square} \times \text{blue square} + \text{blue square} \times \text{blue square} \end{array} \right)$$

$$= \left(\begin{array}{cc} \text{blue square} + \text{blue square} & \text{blue square} + \text{blue square} \\ \text{blue square} + \text{blue square} & \text{blue square} + \text{blue square} \end{array} \right)$$

$$= \begin{pmatrix} \text{blue square} & \text{blue square} \end{pmatrix}$$

Ayo pasangkan gambar-gambar ini dengan jawaban yang tepat!



Rumah Joglo



Rumah Bolon



Rumah Gadang



Rumah Honai



Ulos



Kebaya



Cele



Payas Agung