UH
MATRIKS 1

Nama :

Kelas :

1. Tentukan Nilai Matriks Berikut :

a. $\begin{bmatrix}3\\2\end{bmatrix}+\begin{bmatrix}6\\-5\end{bmatrix}-\begin{bmatrix}1\\-4\end{bmatrix}=$ $\begin{bmatrix}\quad\end{bmatrix}$	b. $\begin{bmatrix}1&-2\\0&5\end{bmatrix}-2\begin{bmatrix}3&-4\\6&2\end{bmatrix}=$ $\begin{bmatrix}\quad\end{bmatrix}$	c. $3\begin{bmatrix}-1\\4\\2\end{bmatrix}+\begin{bmatrix}0\\-3\\6\end{bmatrix}-5\begin{bmatrix}-1\\0\\3\end{bmatrix}=$ $\begin{bmatrix}\quad\end{bmatrix}$

2. Tentukan nilai x dan y dari persamaan matriks berikut:

a. $\begin{bmatrix}x\\-8\end{bmatrix}+\begin{bmatrix}2\\y\end{bmatrix}=\begin{bmatrix}5\\-12\end{bmatrix}$ x = ____ y = ____	b. $\begin{bmatrix}3x&-1\\39&5\end{bmatrix}+\begin{bmatrix}10&4\\y&-9\end{bmatrix}=\begin{bmatrix}-14&3\\-2y&-4\end{bmatrix}$ x = ____ y = ____

Pilihlah jawaban yang benar!

3. $\begin{pmatrix}1&5&2\end{pmatrix}\begin{pmatrix}2\\4\\3\end{pmatrix}$

A. (28) B. (-12) C. (16) D. (-20)

4. $\begin{pmatrix}2&8\\-3&1\end{pmatrix}\begin{pmatrix}1&0\\4&-2\end{pmatrix}=$

A. $\begin{pmatrix}1&2\\3&-8\end{pmatrix}$ B. $\begin{pmatrix}0&1\\5&-3\end{pmatrix}$ C. $\begin{pmatrix}10&-3\\3&-1\end{pmatrix}$ D. $\begin{pmatrix}34&-16\\1&-2\end{pmatrix}$

LIVEWORKSHEETS

5. Pasangkan

Ordo matriks? $\begin{bmatrix} -1 \\ 0 \\ 3 \end{bmatrix}$	$\begin{bmatrix} -2 & 1 \\ 4 & 9 \end{bmatrix}$
Ordo hasil kali matriks berikut? $\begin{bmatrix} 2 \\ 1 \\ 5 \end{bmatrix} \begin{bmatrix} 0 & 8 & -7 \end{bmatrix}$	$\begin{bmatrix} -2 & 0 \\ 0 & -2 \end{bmatrix}$
Transpose matriks? $\begin{bmatrix} -2 & 4 \\ 1 & 9 \end{bmatrix}$	**3 x 3**
Hasil kali matriks? $\begin{bmatrix} 2 & -1 \\ 4 & 9 \end{bmatrix} x \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$	**3 x 1**
Matriks Skalar	$\begin{bmatrix} 2 & -1 \\ 4 & 9 \end{bmatrix}$

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