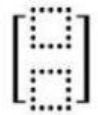
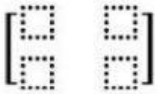
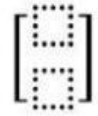
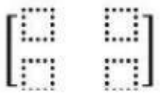
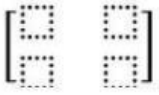
NAMA :

TINGKATAN :

LATIHAN BAB 2 : MATRIKS
2.2 OPERASI ASAS MATRIKS

- MENAMBAH DAN MENOLAK MATRIKS
- MENDARAB MATRIKS DENGAN SUATU NOMBOR

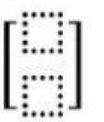
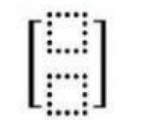
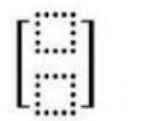
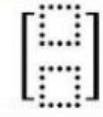
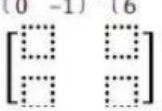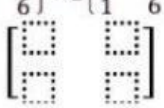
1. Permudahkan setiap yang berikut.

(a) $\begin{pmatrix}3\\2\end{pmatrix}+\begin{pmatrix}5\\-6\end{pmatrix}-\begin{pmatrix}-4\\11\end{pmatrix}=$ 	(c) $\begin{pmatrix}7\\8\end{pmatrix}+\begin{pmatrix}-5\\3\end{pmatrix}-\begin{pmatrix}6\\2\end{pmatrix}$ =	(e) $\begin{pmatrix}4&8\\2&-13\end{pmatrix}+\begin{pmatrix}-5&7\\6&7\end{pmatrix}-\begin{pmatrix}-8&10\\5&-7\end{pmatrix}$ 
(b) $\begin{pmatrix}9\\11\end{pmatrix}-\begin{pmatrix}3\\-2\end{pmatrix}+\begin{pmatrix}-1\\-7\end{pmatrix}$ = 	(d) $\begin{pmatrix}4&8\\-9&7\end{pmatrix}-\begin{pmatrix}5&-7\\9&8\end{pmatrix}+\begin{pmatrix}-4&2\\-3&-6\end{pmatrix}$ 	(f) $\begin{pmatrix}4&8\\2&-13\end{pmatrix}+\begin{pmatrix}-5&7\\6&7\end{pmatrix}-\begin{pmatrix}-8&10\\5&-7\end{pmatrix}$ 

2. Cari nilai x dan y dalam setiap persamaan matriks berikut.

(a) $\begin{pmatrix}x\\-8\end{pmatrix}+\begin{pmatrix}2\\y\end{pmatrix}=\begin{pmatrix}5\\-12\end{pmatrix}$ $x=$ $y=$	(c) $\begin{pmatrix}x\\2x\end{pmatrix}-\begin{pmatrix}4\\y\end{pmatrix}=\begin{pmatrix}1\\8\end{pmatrix}$ $x=$ $y=$	(e) $\begin{pmatrix}3x&-1\\39&5\end{pmatrix}+\begin{pmatrix}10&4\\y&-9\end{pmatrix}=\begin{pmatrix}-14&3\\-2y&-4\end{pmatrix}$ $x=$ $y=$
(b) $\begin{pmatrix}5\\x\end{pmatrix}+\begin{pmatrix}y\\-3\end{pmatrix}=\begin{pmatrix}9\\4\end{pmatrix}$ $x=$ $y=$	(d) $\begin{pmatrix}x\\2x\end{pmatrix}-\begin{pmatrix}4\\y\end{pmatrix}=\begin{pmatrix}1\\8\end{pmatrix}$ $x=$ $y=$	(f) $\begin{pmatrix}x&8\\2y&-1\end{pmatrix}-\begin{pmatrix}6&-1\\x&-5\end{pmatrix}=\begin{pmatrix}-2x&9\\-8&4\end{pmatrix}$ $x=$ $y=$

3. Permudahkan setiap yang berikut.

(a) $2\begin{pmatrix}-3\\5\end{pmatrix}+3\begin{pmatrix}4\\-2\end{pmatrix}$ 	(c) $3\begin{pmatrix}4\\-1\end{pmatrix}+2\begin{pmatrix}-8\\5\end{pmatrix}$ 	(e) $4\begin{pmatrix}-4\\2\end{pmatrix}+2\begin{pmatrix}5\\-2\end{pmatrix}-\frac{1}{3}\begin{pmatrix}-6\\9\end{pmatrix}$ 
(b) $3\begin{pmatrix}5\\-2\end{pmatrix}-4\begin{pmatrix}3\\-1\end{pmatrix}=$ 	(d) $2\begin{pmatrix}4&5\\0&-1\end{pmatrix}+\begin{pmatrix}-7&-15\\6&9\end{pmatrix}=$ 	(f) $3\begin{pmatrix}1&-5\\4&6\end{pmatrix}-2\begin{pmatrix}4&7\\1&6\end{pmatrix}=$ 

LIVEWORKSHEETS
LIVEWORKSHEETS

LIVEWORKSHEETS
LIVEWORKSHEETS