

```

1 % IME-UDO, Udeme
2 % 18/ENG07/007
3 % Petroleum Engineering
4 % EN282 Assignment
5
6 commandwindow
7 clear
8 clc
9
10 A = [1 4 7; 2 5 8; 3 6 9]
11 B = [10 13 16; 11 14 17; 12 15 18]
12
13 X = [A; B]
14 Y = [A B]

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- ⊞ .frostwire5
- ⊞ .Origin
- ⊞ .QtWebEngineProcess
- ⊞ 3D Objects
- ⊞ AppData
- ⊞ Application Data
- ⊞ Contacts
- ⊞ Cookies
- ⊞ Desktop
- ⊞ Documents
- ⊞ Downloads
- ⊞ Favorites
- ⊞ IntelGraphicsProfiles
- ⊞ Links
- ⊞ Local Settings
- ⊞ MicrosoftEdgeBackups

**Details**

Name	Value
A	[1,4,7;2,5,8;3,6,9]
B	[10,13,16;11,14,17;12,15,18]
X	6x3 double
Y	3x6 double

Command Window

3	6	9
10	13	16
11	14	17
12	15	18

Y =

1	4	7	10	13	16

+

$$A := \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix}$$

$$B := \begin{pmatrix} 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

X := stack(A,B)

$$X = \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \\ 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

Y := augment(A,B)

$$Y = \begin{pmatrix} 1 & 4 & 7 & 10 & 13 & 16 \\ 2 & 5 & 8 & 11 & 14 & 17 \\ 3 & 6 & 9 & 12 & 15 & 18 \end{pmatrix}$$

Matrix

$\begin{bmatrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{bmatrix}$   $x_n$   $x^1$   $|x|$

$\int$   $\int_0^1$   $\int_0^1 \int_0^1$   $\int_0^1 \int_0^1 \int_0^1$   $\int_0^1 \int_0^1 \int_0^1 \int_0^1$

$\sum$   $\sum_{m=0}^n$

Calculator

sin cos tan ln log

nl i |x|  $\Gamma$

$e^x$   $\frac{1}{x}$  ( )  $x^2$   $x^y$

$\pi$  7 8 9 /

$\frac{1}{2}$  4 5 6 x

$\div$  1 2 3 +

$\equiv$  . 0 - =

Graph

Boolean

$\equiv$   $\lt$   $\gt$   $\leq$   $\geq$   $\neq$   $\neg$   $\wedge$   $\vee$