

MATLAB R2017a

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```

1 % ONYENEKE,Odinakachukwu David
2 % 18/ENG01/019
3 % Chemical 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]

```

Workspace

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

```

A =
     1     4     7
     2     5     8
     3     6     9

B =
    10    13    16
    11    14    17
    12    15    18

X =

     1     4     7
     2     5     8
     3     6     9
    10    13    16
    11    14    17
    12    15    18

Y =

     1     4     7    10    13    16
     2     5     8    11    14    17
     3     6     9    12    15    18

```

Mathcad - [odinaka assignment]

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

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

$$X := \text{stack}(A, B)$$

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

$$Y := \text{augment}(A, B)$$

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

Calculator

Matrix

Graph

Boolean

Press F1 for help. AUTO Page 1