



App.1

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

1. What will be displayed or the result if the following commands are written in MATLAB

`a([1 3],[1 3]) = [99 88 ; 77 66]`

`a([2 3],[2 3]) = [55 44 ; 33 22]`

`a([2 2],[2 2]) = [11 55 ; 99 66]`

`a([2 3],[2 3])`

`a([1 3],[1 3])`

`a([1 2],[1 2])`

`a([3 2],[3 2])`

`a([3 3],[3 3])`

`a([1:3], 1) = 55`

`a(1, [1:3]) = 44`



$a([2:3], 1) = 99$

$a([2:3], 2) = 88$

$a(1, [2:3]) = 33$

$a(2, [2:3]) = 22$