```
import numpy as np

# Input section matrix

M1 = np.array([[1,4],[5,6]])

M2 = np.array([[1,-4],[3,-2]])

# Output section matrix

# Matrix Addition

print("[M1]+[M2]=",M1+M2)

# Matrix Subtraction

print("[M1]-[M2]=",M1-M2)

# Matrix Multiplication

print("[M1][M2]=",M1.dot(M2))

# Matrix Transpose

print("Transpose of [M1]=",M1.transpose())
```

Result:

```
[M1]+[M2]= [[2 0]
 [8 4]]
[M1]-[M2]= [[0 8]
 [2 8]]
[M1][M2]= [[ 13 -12]
 [ 23 -32]]
Transpose of [M1]= [[1 5]
 [4 6]]
```