```python
import numpy as np
```

```python
A = np.array([[1, 2, 3], [4, 5, 6]])
A
```

```python
B= np.array([[7,8],[9,10],[11,12]])
B
```

```python
dot_product=np.dot(A,B)
print('A*B=\n',dot_product)    # \n new line
```

```python
import matplotlib.pyplot as plt
```

```python
x = np.arange(-1.0,1.0,0.005) * np.pi     #numpy.arange(start,stop,step)
s = np.sin(x)
plt.title("sine function")
plt.grid(True)
plt.plot(x,s)
plt.show()
```