

```
In [3]: import numpy as np
import matplotlib.pyplot as plt
```

```
In [5]: np.sin(180)
```

```
Out[5]: -0.8011526357338304
```

```
In [6]: np.sin(90)
```

```
Out[6]: 0.8939966636005579
```

```
In [7]: np.cos(180)
```

```
Out[7]: -0.5984600690578581
```

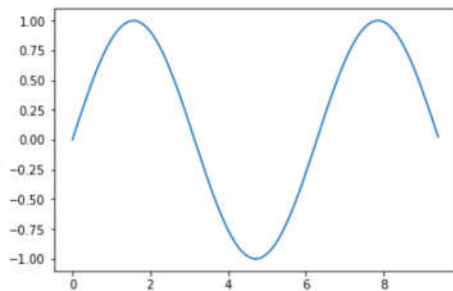
```
In [15]: np.tan(180)
```

```
Out[15]: 1.3386902103511544
```

```
In [20]: x_sin = np.arange(0,3*np.pi, 0.1)
print(x_sin)
```

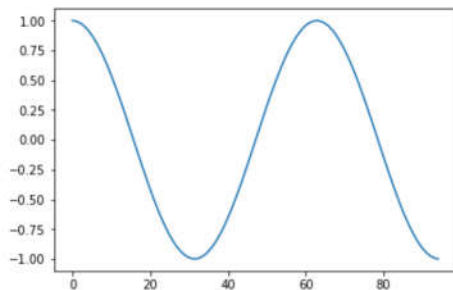
```
[0.  0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.  1.1 1.2 1.3 1.4 1.5 1.6 1.7
 1.8 1.9 2.  2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.  3.1 3.2 3.3 3.4 3.5
 3.6 3.7 3.8 3.9 4.  4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.  5.1 5.2 5.3
 5.4 5.5 5.6 5.7 5.8 5.9 6.  6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 7.  7.1
 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8.  8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9
 9.  9.1 9.2 9.3 9.4]
```

```
In [21]: plt.plot(x_sin,y_sin)
plt.show()
```

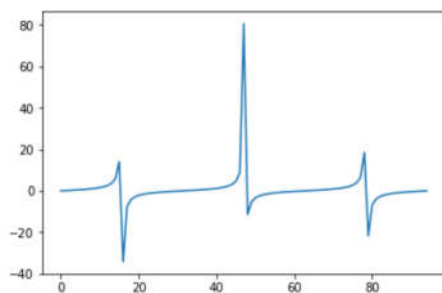


```
In [23]: y_cos = np.cos(x_sin)
plt.plot(y_cos)
plt.show
```

```
Out[23]: <function matplotlib.pyplot.show(*args, **kw)>
```



```
In [25]: y_tan = np.tan(x_sin)
plt.plot(y_tan)
plt.show()
```



```
In [ ]:
```

```
In [ ]:
```