Hello World

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Sine Plot
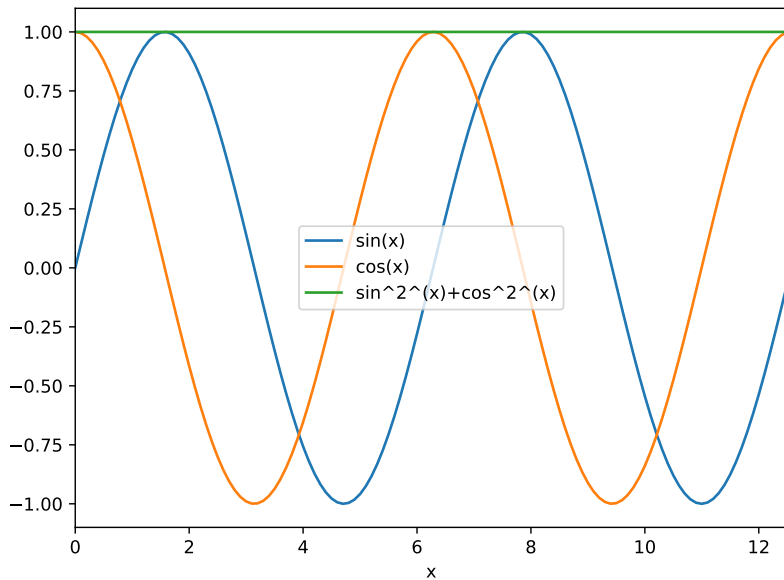
Sine Table

x	sin(x)	cos(x)	$\sin^2(x)+\cos^2(x)$
10.2	-0.7	-0.71	1
3.1	0.04	-1	1
1.8	0.97	-0.23	1
0.5	0.48	0.88	1
2.3	0.75	-0.67	1

Sine Function

```python
def sin_2x_and_cos_2x(x):
    y = np.sin(x) * np.sin(x) + np.cos(x) * np.cos(x)
    return y
```