Hello World

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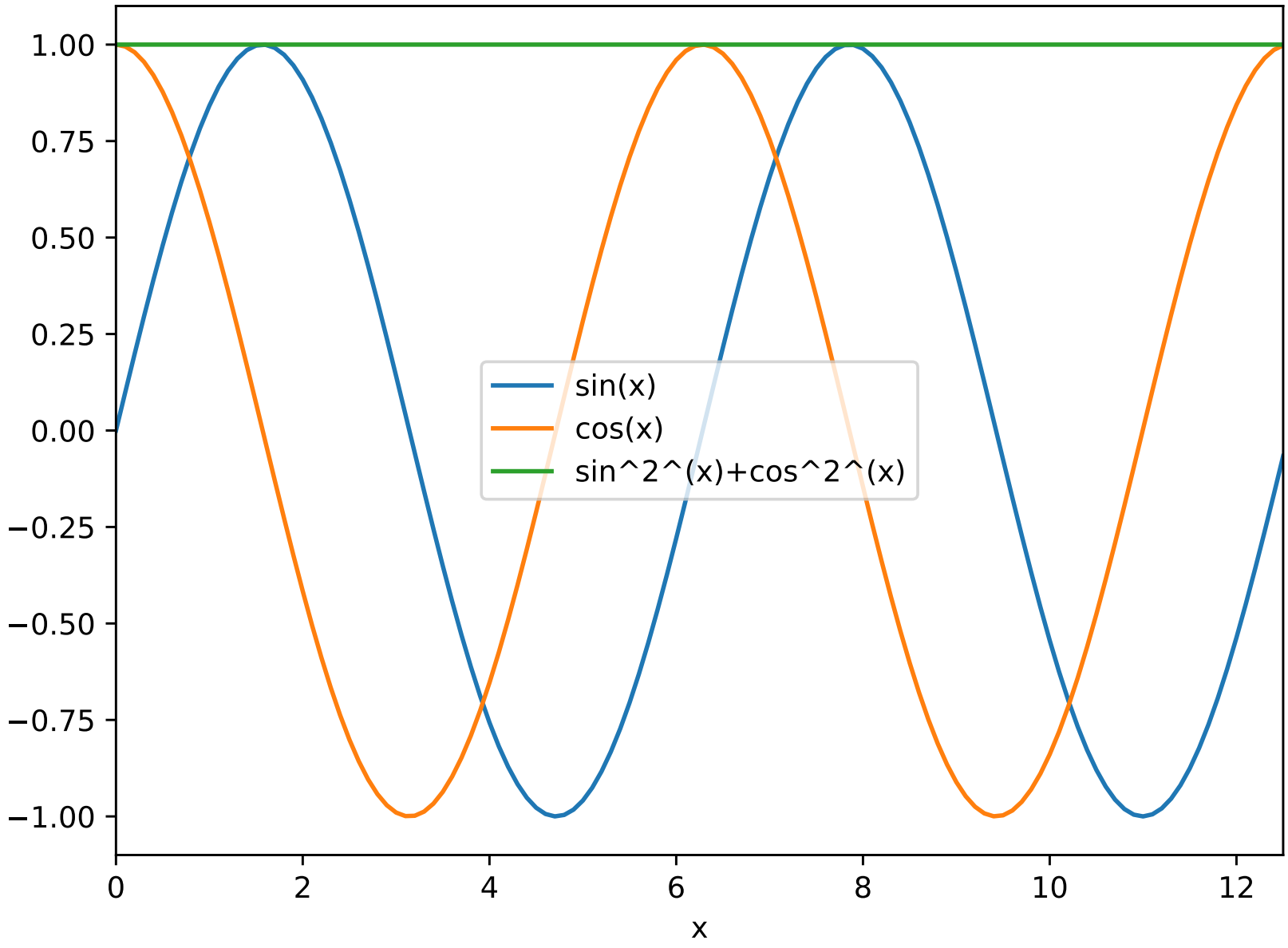
Sine Plot


1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0
2
4
6
8
10
12
x
sin(x)
cos(x)
sin^2^(x)+cos^2^(x)

Sine Table

x	sin(x)	cos(x)	$\sin^2(x)+\cos^2(x)$
6.6	0.31	0.95	1
5.6	-0.63	0.78	1
7.3	0.85	0.53	1
5.9	-0.37	0.93	1
4.7	-1	-0.01	1

Sine Function

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