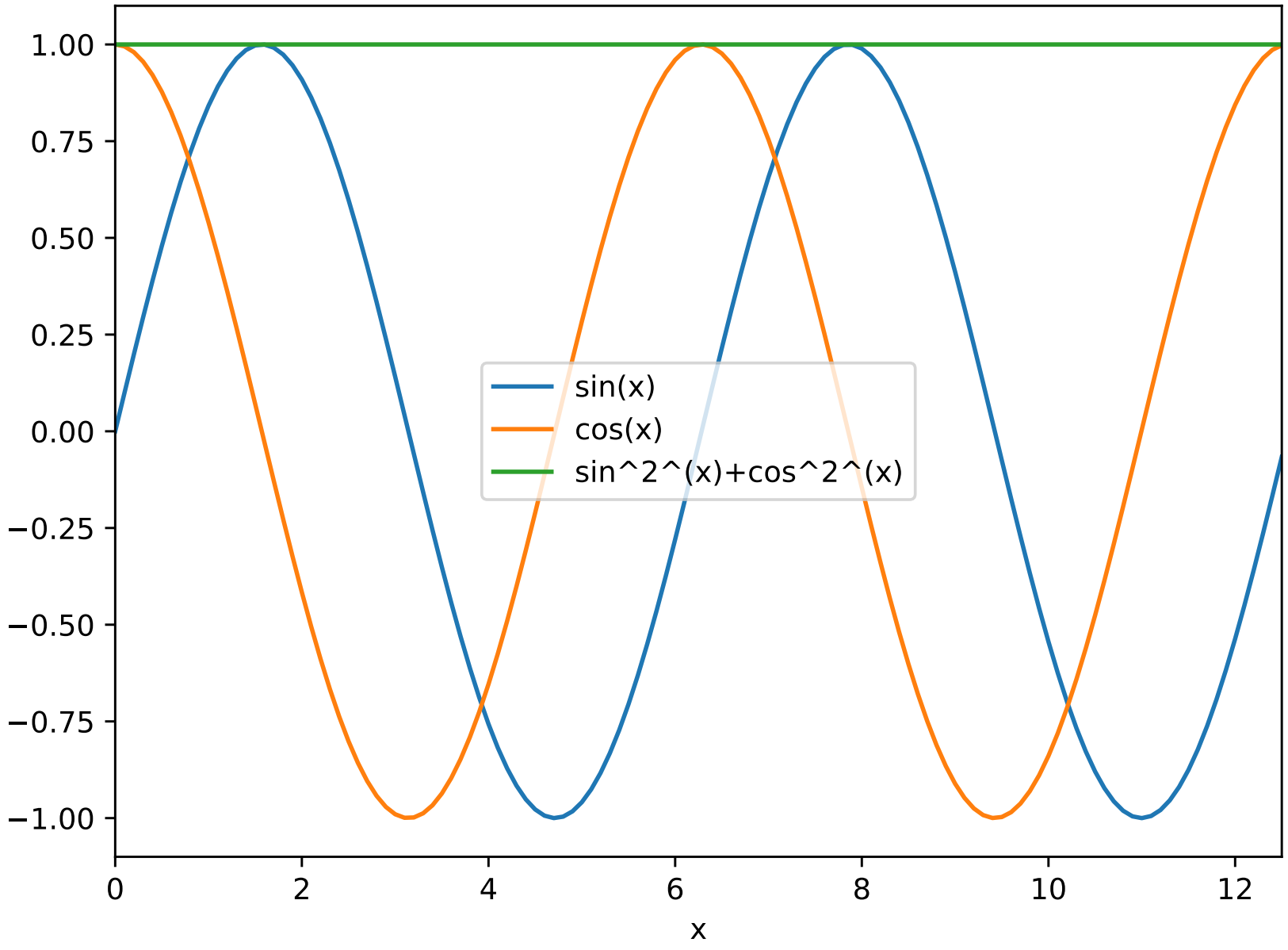
Sine Plot


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)	$\sin^2(x)+\cos^2(x)$
6.7	0.4	0.91	1
5.6	-0.63	0.78	1
11.5	-0.88	0.48	1
3.8	-0.61	-0.79	1
3.4	-0.26	-0.97	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
```