

```
In [1]: import numpy as np  
import matplotlib.pyplot as plt
```

```
In [3]: x = np.linspace(0, 1, 100)
```

```
def sin_func(x):  
    return np.sin(x)  
  
def cos_func(x):  
    return np.cos(x)
```

```
In [5]: y_sin = sin_func(x)  
y_cos = cos_func(x)
```

```
In [10]: fig, axes = plt.subplots(1, 2, figsize=(10, 8))
```

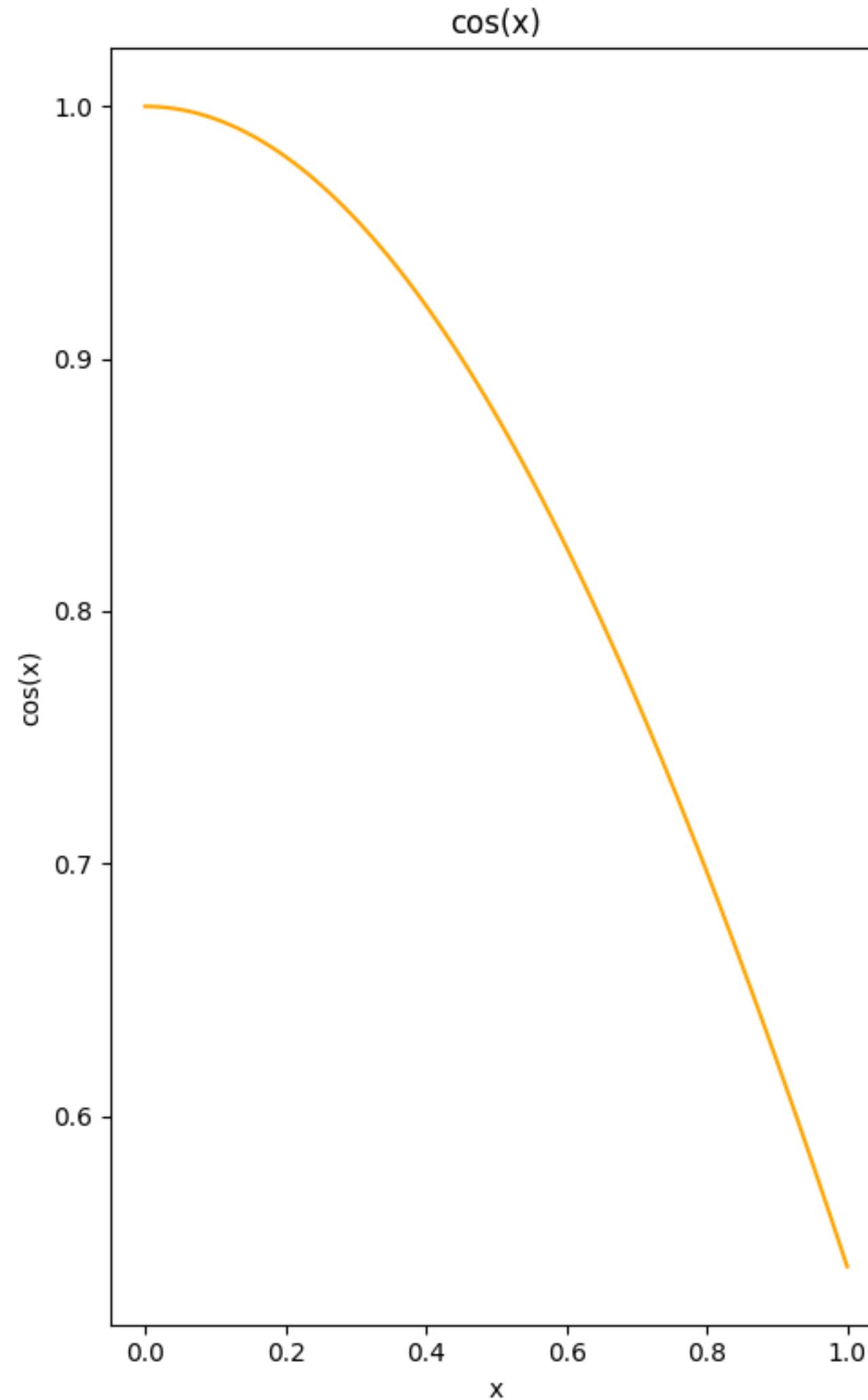
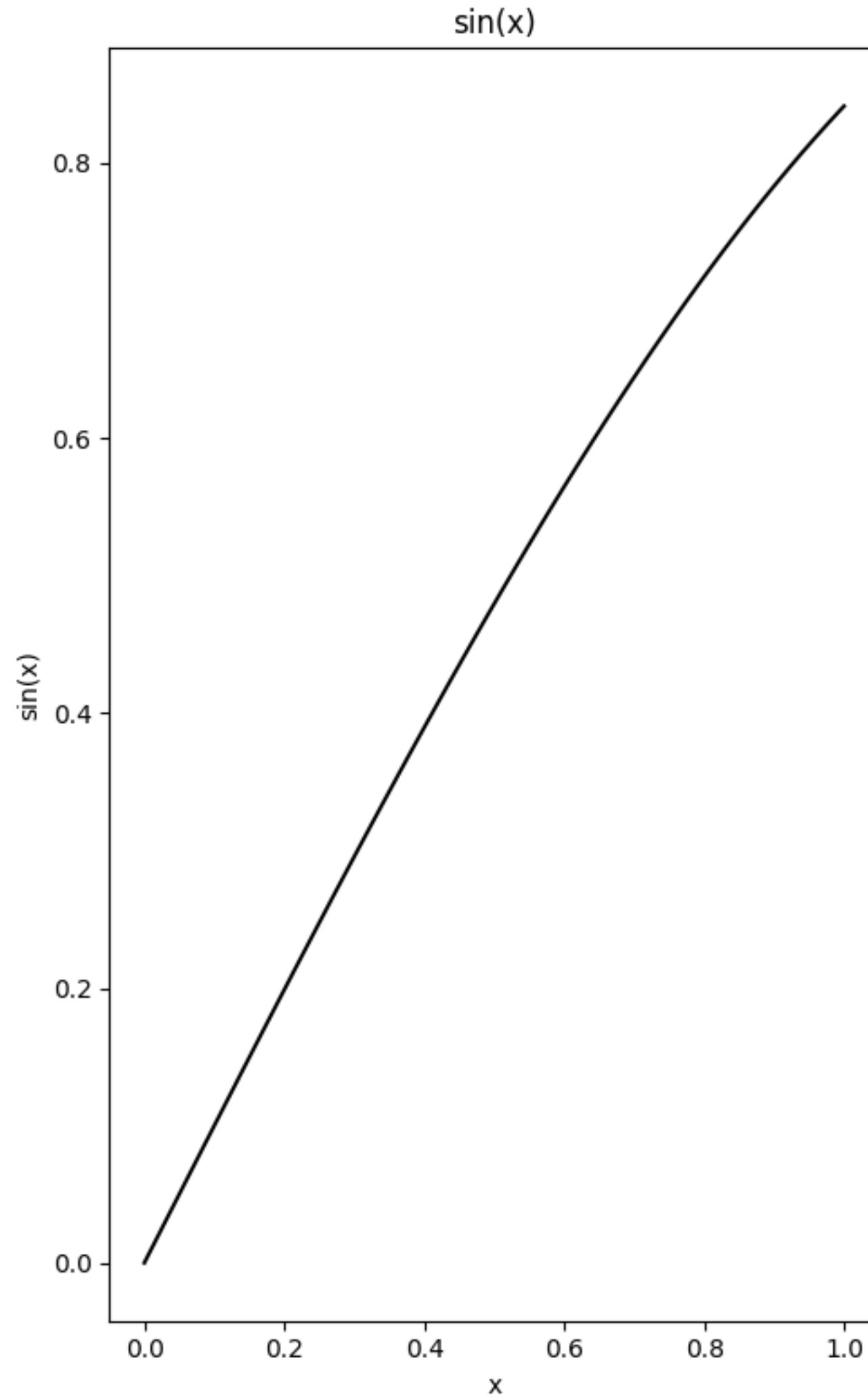
```
axes[0].plot(x, y_sin, color='black')  
axes[0].set_title('sin(x)')  
axes[0].set_xlabel('x')  
axes[0].set_ylabel('sin(x)')
```

```
axes[1].plot(x, y_cos, color='orange')  
axes[1].set_title('cos(x)')  
axes[1].set_xlabel('x')  
axes[1].set_ylabel('cos(x)')
```

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plt.tight_layout()
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plt.savefig('sin_cos_plots.pdf')
```

```
plt.show()
```



```
In [ ]:
```