In [2]:
```
import numpy as np
import matplotlib.pyplot as plt

x = np.linspace(0,1,100)
y = np.sin(x)
z = np.cos(x)
print(y,z)
```

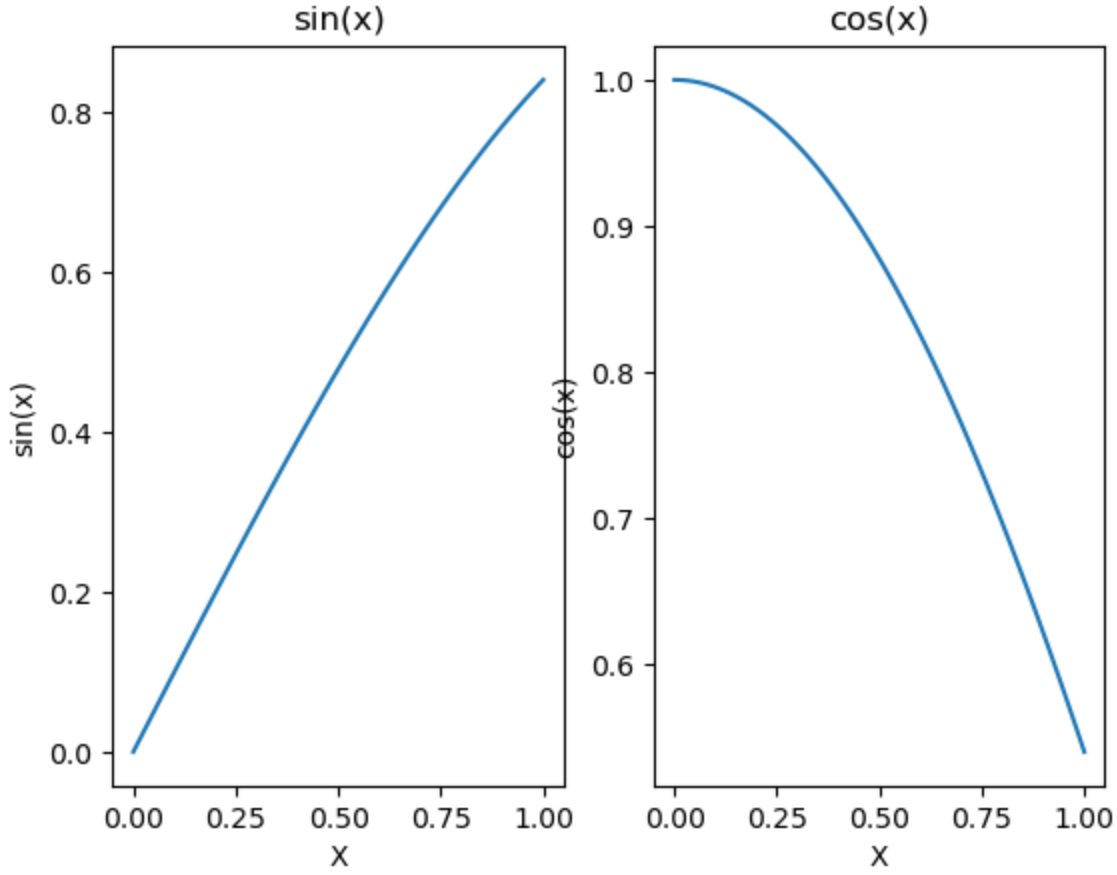
```
[0.         0.01010084 0.02020065 0.03029839 0.04039305 0.05048358
 0.06056897 0.07064817 0.08072016 0.09078392 0.10083842 0.11088263
 0.12091552 0.13093608 0.14094328 0.1509361  0.16091352 0.17087452
 0.18081808 0.1907432  0.20064886 0.21053404 0.22039774 0.23023896
 0.24005668 0.24984992 0.25961766 0.26935891 0.27907268 0.28875797
 0.2984138  0.30803919 0.31763315 0.3271947  0.33672286 0.34621667
 0.35567516 0.36509735 0.3744823  0.38382904 0.39313661 0.40240408
 0.41163048 0.42081489 0.42995636 0.43905397 0.44810678 0.45711386
 0.46607431 0.47498721 0.48385164 0.49266671 0.5014315  0.51014514
 0.51880673 0.52741539 0.53597023 0.54447039 0.55291499 0.56130318
 0.56963411 0.57790691 0.58612075 0.59427479 0.60236819 0.61040014
 0.6183698  0.62627638 0.63411905 0.64189703 0.64960951 0.65725572
 0.66483486 0.67234618 0.67978889 0.68716224 0.69446549 0.70169788
 0.70885867 0.71594714 0.72296256 0.72990422 0.73677141 0.74356342
 0.75027957 0.75691917 0.76348154 0.76996601 0.77637192 0.78269862
 0.78894546 0.79511181 0.80119703 0.8072005  0.81312162 0.81895978
 0.82471437 0.83038482 0.83597055 0.84147098] [1.         0.99994899 0.99979595 0.999540
9  0.99918387 0.99872489
 0.99816401 0.9975013  0.9967368  0.99587061 0.99490282 0.99383351
 0.9926628  0.99139081 0.99001767 0.98854352 0.98696851 0.9852928
 0.98351656 0.98163997 0.97966323 0.97758653 0.97541009 0.97313412
 0.97075887 0.96828458 0.96571149 0.96303986 0.96026998 0.95740213
 0.95443659 0.95137367 0.94821368 0.94495695 0.9416038  0.93815458
 0.93460964 0.93096935 0.92723406 0.92340418 0.91948007 0.91546216
 0.91135084 0.90714653 0.90284967 0.89846069 0.89398004 0.88940818
 0.88474558 0.8799927  0.87515004 0.87021809 0.86519735 0.86008833
 0.85489156 0.84960756 0.84423688 0.83878007 0.83323767 0.82761026
 0.8218984  0.81610269 0.81022371 0.80426207 0.79821837 0.79209322
 0.78588726 0.77960112 0.77323543 0.76679085 0.76026803 0.75366765
 0.74699036 0.74023687 0.73340784 0.72650399 0.71952601 0.71247462
 0.70535054 0.69815449 0.69088721 0.68354943 0.67614192 0.66866542
 0.66112069 0.65350851 0.64582966 0.6380849  0.63027505 0.62240089
 0.61446323 0.60646287 0.59840063 0.59027735 0.58209383 0.57385093
 0.56554947 0.55719031 0.5487743  0.54030231]
```

In [3]:
```
f, axarr = plt.subplots(1,2)

axarr[0].plot(x, y)
axarr[0].set_xlabel('X')
axarr[0].set_ylabel('sin(x)')
axarr[0].set_title('sin(x)')

axarr[1].plot(x, z)
axarr[1].set_xlabel('X')
axarr[1].set_ylabel('cos(x)')
axarr[1].set_title('cos(x)')
```

Out[3]:
```
Text(0.5, 1.0, 'cos(x)')
```


sin(x)
cos(x)
sin(x)
cos(x)
0.0
0.2
0.4
0.6
0.8
1.0
0.6
0.7
0.8
0.9
0.00
0.25
0.50
0.75
1.00
X