Bab 1

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Blah blah

Bab 2

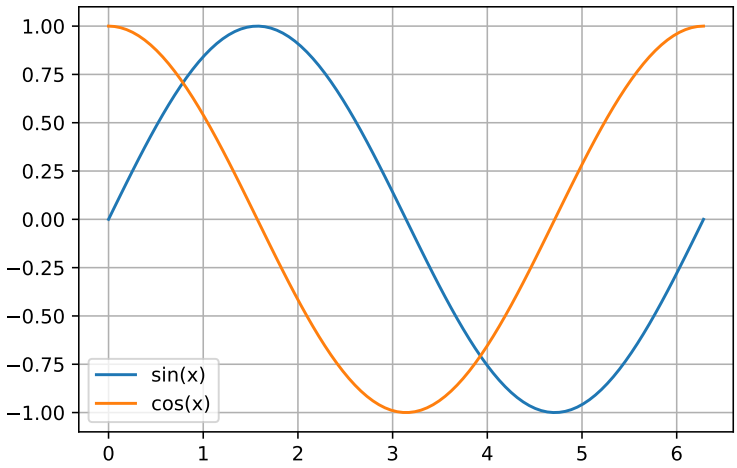
Test pweave

```
import numpy as np
import matplotlib.pyplot as plt
```

Testing plot:

```
x = np.linspace(0.0, 2*np.pi, 100)
plt.plot(x, np.sin(x), label="sin(x)")
plt.plot(x, np.cos(x), label="cos(x)")
plt.grid();
plt.legend();
```

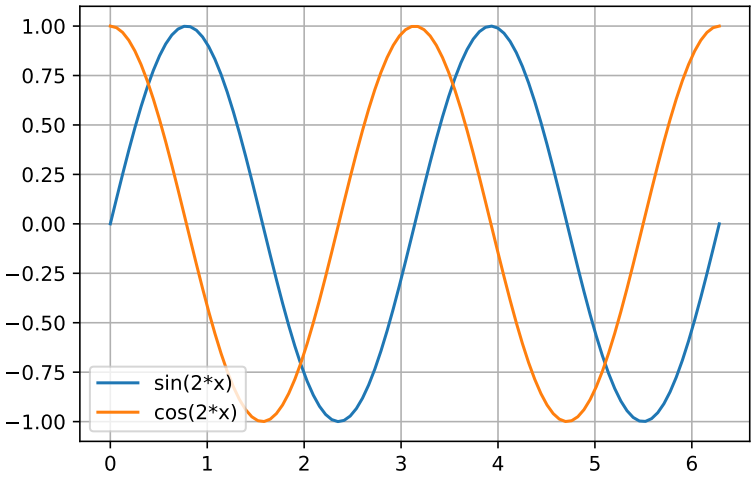
```
<matplotlib.legend.Legend at 0x7fe0aafcc550>
```



Try 2

```
x = np.linspace(0.0, 2*np.pi, 100)
plt.plot(x, np.sin(2*x), label="sin(2*x)")
plt.plot(x, np.cos(2*x), label="cos(2*x)")
plt.grid()
plt.legend()
plt.savefig("figures/IMG_sin_cos.pdf")
```

Let's include the figure manually:



Test term=True

```
from sympy import *
x, y = symbols("x y")
f = 2*x*y + x*y + 3*x*y**2
f
```

$$3xy^2 + 3xy$$

```
simplify(f)
```

$$3xy\left(y + 1\right)$$

```
I1 = Integral(exp(-x**2), (x,-oo,oo))
I1
```

$$\int_{-\infty}^{\infty} e^{-x^2}\, dx$$

```
I1.doit()
```

$$\sqrt{\pi}$$