Program:

```
#plotting multple graph together
import matplotlib.pyplot as plt
import numpy as np
x = np.linspace(-3,3,100)
y1 = x*np.sin(x**2)
y2 = np.exp(-x**2/2)
y3 =y1+y2
plt.plot(x,y1,x,y2,x,y3)
plt.show()
x = np.linspace(-3,3,100)
```

Output:



