Découverte du module pyplot de la bibliothèque matplotlib

```python
# -*- coding: utf-8 -*-
"""
Spyder Editor
This is a program to display/print a plot
"""
import matplotlib.pyplot as plt
import numpy as np
plt.clf()
plt.axis([-1,4,-1,16])
x = np.linspace(-1,4,100)
y = [t**2 for t in x]
plt.plot(x,y,'blue')
plt.title("Taux de variation d'une fonction", color = 'black',
alpha = 0.8, fontsize = 18)
plt.xlabel("Abscisses",fontsize = 13, color = "blue")
plt.ylabel("Ordonnées", fontsize = 13, color = 'b')
plt.text(0, 6, r"$y = x^{2}$", fontsize = 14, color ='b')
plt.text(1, 7, "Droite (AB)", fontsize = 14, color ='r')
plt.text(0.8, 2, "A", fontsize = 14, color ='r')
plt.text(2.8, 10, "B", fontsize = 14, color ='r')
plt.grid(True)
#plt.savefig('Parabole')
plt.plot([1,3],[1,9],'-ro')
plt.show()
```


Taux de variation d'une fonction