import numpy as np

from matplotlib import pyplot as plt

plt.rcParams["figure.figsize"] = [10.50, 3.50]

plt.rcParams["figure.autolayout"] = True

c1=2

c2=3

def f(x):

return x\*\*2

x = np.linspace(-5, 1, 5)

z=[]

for i in x:

value=c1\*i+c2\*f(x)

z.append(value)

print("value at ",i,"is : ",value)

Max=x.all()

print("\noptimal point is :",Max)

plt.plot(x, f(x), color='red')

plt.show()