import numpy as np

import matplotlib.pyplot as plt

import numpy as np

from math import cos

def f(x) :

result = (-4\*x\*\*3)/3

return result

x = np.linspace(0.0, 7.0, 100)

y = np.sin(2\*x) -2\*x

y2 = (-4\*x\*\*3)/3

plt.title("Метод Тейлора графика sin(2\*x) -2\*x")

plt.xlim(0, 7 + 0.2)

plt.ylim(-5, 5 + 1)

plt.plot(x, y, label='sin(2\*x) -2\*x')

plt.plot(x, y2, label='(-4\*x\*\*3)/3')

plt.legend()

plt.grid()

plt.show()