1 flor.py

NAMES SCORE

2 geometria$_2$.*py*

NAMES	SCORE
geometriaVi / geometriaLa	0.557

2.1 ViviamAcuna / LauraCaceres: 0.557

```
import numpy as np
import math
def radio_maximo(p):
    radimx=0
    ladoc=p[0]**4.0+p[1]**4.0+p[2]**4.0
    for i in range(int(ladoc)):
        if((abs(p[0])+i*2)<=ladoc):
            if ((abs(p[1])+i*2)<=ladoc):
                if((abs(p[2])+i*2)<=ladoc):
                    radimx= ladoc/2.0-max(p)
    return(radimx)

print (radio_maximo([1.0,2.0,3.0]))
```

```
import numpy as np
import math
def radio_maximo(p):
    radmax=0.0
    ladocubo=p[0]**4.0+p[1]**4.0+p[2]**4.0
    for i in range(int(ladocubo)):
        if(abs(p[0])+i<=ladocubo/2.0 and abs(p[1])+i<=
            ladocubo/2.0 and abs(p[2])+i<=ladocubo
            /2.0):
            radmax=i+(ladocubo/2.0-i-max(p))
    return(radmax)
```

3 grafica.py

NAMES	SCORE
ViviamAcunaVi / LauraCaceresLa	0.480

3.1 ViviamAcuna / LauraCaceres: 0.480

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

temperaturasp = np.loadtxt('TempPromedios.txt')
x= temperaturasp[:,0]
y= temperaturasp[:,1]

plt.plot(x,y,color="green")
plt.ylabel('Average (C)')
plt.xlabel('Years(yr)')

plt.savefig('tempppromedios.png')
```

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

data=np.genfromtxt('TemPromedios.txt')

plt.plot(data[:,1], data[:,0])
plt.xlabel('Anos')
plt.ylabel('Temperatura promedio anual,grados
    centigrados')
plt.savefig('tempppromedios.png')
plt.show()
```