1.
    a. Christopher Cheung
    b. I'm from San Jose. Back in high school I used to be an avid long distance runner, but as of now I'm still looking for a new hobby at Berkeley. I'm attempting to continue piano at Berkeley as well.
    c. I like how there are so many opportunities to grab and organizations to join and people to potentially meet! There's always a lot of stuff going on.
    d. How software and hardware come together
    e. How technology works from the bottom up
    f. .
    g. In high school the higher math classes I had taken were AP Calculus BC and Linear Algebra. I took AP Physics C: Mechanics, but not Electricity and Magnetism, so the only background I have in that aspect of Physics was from a short one month unit we had in Physics Honors.
    h. Mac
    i. The design of the phone OS and the phone itself are pleasing to the eye.
2.
    a. yes, but it's encouraged to go to your registered discussion
    b. two
    c. an ipynb file and a pdf file with the written solutions and a screenshot of the ipynb code
    d. Thursday before midnight
    e. Zero
    f. Three
    g. EE16A Piazza page
3.
    a. Attached below
    b. 6328

EE16A: Homework 0

Getting to know iPython

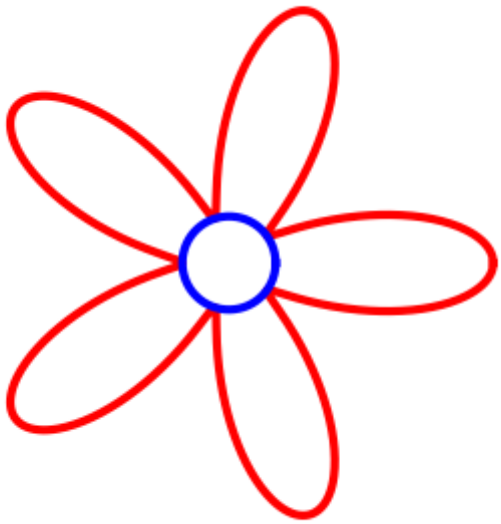
Part (a)

Execute the following mystery drawing, then draw the same object yourself (by hand):

In [1]:
```
%matplotlib inline
import numpy as np
import matplotlib.pyplot as plt

theta = np.linspace(0,2*np.pi, 1000)
r = 0.7*np.cos(5*theta) + 1.0

ax = plt.subplot(111, polar=True)
ax.plot(theta, r, color='r', linewidth=3)
ax.plot(theta, 0.3*np.ones(len(theta)), color='b', linewidth=3)
ax.grid(False)
ax.set_rmax(2)
ax.xaxis.set_visible(False)
ax.yaxis.set_visible(False)
ax.spines['polar'].set_visible(False)
```



Part (b)

The following code takes the sum of integers 0...10
Modify it to take the sum of integers 0...112

In [3]:
```
total = 0
i = 0
while (i <= 112):
    total += i
    i += 1

print("The sum is " + str(total))
```

```
The sum is 6328
```