
Write a Python script to do each of the problems below. Hand in copies of your script files and the output from the test runs. Remember to use the `int` and `float` versions of the `input` statement where appropriate and change the filename extensions before emailing the scripts.

- 1) (2 pts) Write a script to compute the area of a circle given the radius. You should read the radius from the keyboard. Test your script for $r = 6.1$.
- 2) (3 pts) Write a script to convert a rectangular coordinate pair (x, y) to polar form. Read in x and y from the keyboard. Test your script for the points $(1,1)$ and $(-3,-4)$. Remember to use the right version of the `atan` function for this problem.
- 3) (2 pts) Write a script to determine if a user input value is even or odd. Devise your own 2 test cases.
- 4) (4 pts) Write a script that will ask the user to enter an integer n , then computes the sum $1+2+\dots+n$.