Homework 1:

1. Write a program which has the following function:
   -read in a temperature in °F (input).
   -convert it into °C (output).
   -Print both (in 2 columns) into a file.
2. Write a program which outputs the distance for two input 3-d coordinates, such as (x1, y1, z1) and (x2, y2, z2).
3. Write a code, which sort the input 3 integers (randomly ordered when input) in descending order.
4. Write a code to output (in free format) constant π in both single- and double-precision with 18 digits after the point. [hint: tan(1 radian)=π/4]
5. Modify the code for Problem 2 to use function and subroutines (say called *dist)* to calculate the distance for two input 3-d coordinates, such as (x1, y1, z1) and (x2, y2, z2).

Due: Jun. 16 (Thursday)