Read Etter Chapter 4. Then answer the following.

1. Summarize the meaning of each of the following terms, in your own words.
   
   a. (5 pts) Modularity

   b. (5 pts) Abstraction, in the context of modularity

   c. (5 pts) Reusability

2. (4 pts) What is the purpose of a function prototype?
3. (5 pts) Write a prototype for a function named process that takes one int argument and returns a double value.

4. (10 pts) Write a whole C function named greatest that takes three int arguments, and returns the greatest of the three values. Remember there is no built-in function max in the C language, but you may write one as a helper function if you want.

5. (5 pts) Write an expression that will set the double variable x to a random value between -2.0 and +2.0, inclusive.

   `double x = ________________________________;`

6. (5 pts) The text stresses the importance of surrounding macro parameters in parentheses when the macro uses them in an expression. For instance, here is a macro that multiplies its two parameters:

   `#define MULT(x,y) ((x)*(y))`

   Explain - including an explicit example - why the parentheses are so important around each of x and y in the expression (x)*(y).

End of Hw4