Please read the questions carefully. Make your answers brief and to the point. Part I & II are to be completed without a computer. Part III requires a computer.

Part I: (*True/False, if false provide a short explanation... 20 points*)

___F___ 1.   C++ considers the variables `userval` and `userVal` to be the same.

     ⤷ *C++ is cAse sensative.*

___F___ 2.   C++ global variables are declared on the first line in the main function.

     ⤷ *Global variables are declared outside the main.*

___F___ 3.   C++ lines of code must be numbered.

     Lines end in semi-colons "; "

___F___ 4.   The modulus operator % acts on int data types and gives a percentage.

     The modulus operator returns the remainder.

___F___ 5.   This function prototype declares a function with 2 output parameters:
     `double pow(double base, double exponent)`

     This function declares 2 INPUT parameters.

___F___ 6.   C++ if statement without braces { } is a syntax error. For example:

```
if(x == 5)
    cout << "hello!" << endl;
    cout << "world" << endl;
```

     No error, just the first line occurs under the condition.

___F___ 7.   The condition `(a < 3 && b > 2)` if `a = -10` and `b = 1`.

     Both must be true where b > 2 is False.

___F___ 8.   The code in the body of a while loop will execute at least once.

     The precondition must be met first.

___F___ 9.   A do loop inside another do loop is an example of recursion.

     Functions calling itself is recursion.

___T___ 10.   The following code is an infinite loop, that is, never ending.

```
for(int i = 0; i == 10; i+=3){
    cout << "hi" << endl;
}
```