CS2308 PA#5, Fall 2019 Name: DeJa Barclay

1. Compilation 20

* 20 Compiles with provided FloatList.h and ClimateDriver.cpp

2. Correctness 45

* 10 FloatList() + readFile(string) + displayList()

-2 for bug in file reading which led to the last element being read twice

* 5 sum()
* 5 countOver(float)
* 5 displayOver(float,int)
* 10 maxValueWithPosition(int &) and minValueWithPosition(int &)

-1 for wrong answer if the maximum value is negative

-2 for off by one position value in both

* 10 sort

-10 for incorrect implementation

3. Constraints 20

* 2 Constructor sets head member var to null
* 3 readFile appends to end (rather than creating a new list)
* 5 Destructor implemented correctly

-4 for using deleted memory while iterating in destructor

* 10 sort follows the specific algorithm  
   —it should not create a new FloatList  
   —it should not do dynamic allocation or deallocation

-10 for incorrect implementation

4. Style/readability: 15

* 4 Proper file header comment
* 4 Complete function definition comments for each function
* 3 98% of lines are not longer than 80 characters
* 4 Has proper indentation

Penalties, if any: -29