Lab 2 grading sheet, Spring 2021 Circle professor

1) Name Last_____ First_____ EID_____AC, VT, RY, JV

1. Deliverables 20%:

Upload your Lab2.c file to Canvas. Combine the following components into one pdf file and upload this file also to Canvas. Have the pdf file and Keil open on the computer during demonstration

0) Your name, professor, and EID.

1) Screenshot of the UART1 window showing the final output

2. Performance 35%:

Does it handle correctly all test cases as specified?

Pass all Mean, Range and Monotonicity tests

3. Adhere to coding standard 5%:

Good Names have meaning

Variables have units in comments

Consistent indentation

Consistent style

4. Demonstration 40%:

Can you explain to the TA how your software works?

During the demonstration, you will be asked to run your program to verify proper operation. You should be able to single step your program and explain what your program is doing and why. You need to know how to set and clear breakpoints. You should be able to show the linkage between Startup.s and the main.c. You should be able to describe the algorithm you used to check for monotonicity and answer follow up what *if questions* like, "How do you check if the sequence is a non-decreasing monotonic series?" Similar what if questions are possible for the lab in general like, "How would your code change if the type of the array were signed rather than unsigned". "How does the main program pass 21 elements of the array to the function when there are only 13 general purpose registers, R0 – R12?"

Total: