Sean Carda

PID: A59009786

ECE 253 – Image Processing

October 17, 2021

Homework 1

*Academic Integrity Policy: Integrity of scholarship is essential for an academic community. The University expects that both faculty and students will honor this principle and in so doing protect the validity of University intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind.*

*By including this in my report, I agree to abide by the Academic Integrity Policy mentioned above.*

Problem 1:

**Part i:**

*Code:*

*Output:*

**Part ii:**

*Code:*

Output:

**Part iii:**

*Code:*

*Output:*

Problem 2:

**Part i:**

*Code:*

**Part ii:**

*Code:*

*Grayscale Verification:*

**Part iii:**

*Code:*

**Part iv:**

*Code:*

**Part v:**

*Code:*

*Verify Median:*

*Output i:*

*Output ii: Output iii:*

*Output iv: Output v:*

Problem 3:

*Code:*

*Output:*

Problem 4:

**Parts i:**

*Code:*

*Output:*

**Part ii:**

*Code:*

*Output:*