**ECE 574: Project 1 sign-off sheet**

Name: Richard Walker

ECE Box #:

|  |  |
| --- | --- |
| **Preliminary** |  |
| The seven segments display works (0000 to FFFF) |  |
|  |  |
| **Part 1** |  |
| The DCM produces a 25MHz clock signal |  |
| The VGA controller produces a complete blue display |  |
| The VGA controller produces a complete green display |  |
| The VGA controller produces a complete black screen with a white rectangle |  |
|  |  |
| **Part 2** |  |
| The VGA displays a yellow block depending on an initial starting position |  |
| The yellow block moves in a direction respective to the button direction pressed |  |
| The block stays within the bounds of the display |  |
| The seven segment display shows the current position of the yellow block |  |
|  |  |
| **Part 3** |  |
| The DAC produces the correct voltage |  |
| The DAC produces a sine wave at the correct frequency |  |
|  |  |
| **All combined** |  |
| All parts are combined into one project |  |
|  |  |
| **Extra Credit** |  |
| The DAC can also produce a triangle wave |  |