With every lab, you will complete a self-assessment (checklist) and report. For the checklist, please check, or otherwise indicate, which of the specification, requirements, and comments and code quality you successfully completed. Your assessment will be evaluated based on its accuracy! So please be careful when filling it out.

**Self-assessment:**

|  |  |
| --- | --- |
| **Specifications** | Describe what the program will do  Prompt the user to enter the height of the tree  Prompt the user to enter the radius of the tree  Output the user-entered values back to the user  Calculate and output the surface area tree  Output the width of the fabric  Calculate and output the length of fabric needed as an integer  Floating point outputs will have exactly 2 digits to the right of the decimal  Terminate safely |
| **Requirements** | Code runs with no warnings  Code terminates safely (no crashes)  Code runs with no errors |
| **Comments and Code Quality** | Header comment includes name of author, program, and brief description of purpose of program  Brief comment for all variable declarations  Brief comment for all logical blocks  Correct placement of braces  Correct naming conventions followed  Appropriate use of constants |

Next, fill out the following report. To receive full marks, please provide an answer to each question or prompt. This is a chance to reflect upon your lab, so please put effort into giving accurate and meaningful answers. Use as much space as needed.

**Report:**

1. Describe a challenge(s) you encountered writing your program:
2. Identify a possible cause of the challenge(s) you described:
3. How could you avoid the challenge (s) on future labs?
4. What else did you learn while completing this lab?