

ENGINEER 1D04
Engineering Computation
McMaster University, Winter 2010

Lab 7 Marked Assignment 3 Solution
Monday Lab

Revised: 6 March 2010

Correctness

Interval	Result
[2, 5]	“Definitely Greater than 2”
[-5, -1]	“Likely not Greater than 2”

Design Question

Two changes would have to be made to the program:

1. An input textbox would have to be added to the GUI to allow the user to set the value a .
2. The method for the **Check Property** button would have to use the value in the input textbox for a instead of 2.

Note: The student should receive 1 mark if just one of these changes is mentioned and 2 marks if both are mentioned.

Testing Question

No. The program should behave exactly the same for any two continuous functions f_1 and f_2 that are greater than 2 at exactly the same points. Therefore, if f is incorrectly implemented as a function g that is greater than 2 at exactly the same points as f , the program will behave exactly the same as when f is correctly implemented.