ENGINEER 1D04

Engineering Computation

McMaster University, Winter 2010

Lab 7 Marked Assignment 3 Solution
Friday Lab

Revised: 6 March 2010

Correctness

Interval	Result
$[0, 2]$	"Likely is Increasing"
$[-2, 2]$	"Definitely is not Increasing"

Design Question

The only part of the program that would have to be modified is the method for the Check Property button. (The method would have to simultaneously check whether the function is increasing and whether it is decreasing. Depending on what is found, it would display `Likely is Increasing`, `Likely is Decreasing`, or `Definitely neither Increasing nor Decreasing`.)

Testing Question

An example of an closed interval where f is neither increasing nor decreasing is $[-2, 2]$.