ENGINEER 1D04

Engineering Computation McMaster University, Winter 2010

Lab 7 Marked Assignment 3 Solution Tuesday Lab

Revised: 5 March 2010

Correctness

Interval	Result
[1, 3]	"Definitely Crosses the X-Axis"
[-1, 1]	"Likely does not Cross the X-Axis"

Design Question

The function could cross the x-axis between two successive sample points.

Testing Question

There are 2 such points: x = -2 and x = 2. Closed intervals that would be suitable for these points are [-3, -1] and [1, 3], respectively.

Note: The student should receive 1 mark if he or she says there are 2 points and 2 marks if he or she gives two closed intervals that include x = -2 and x = 2, respectively.