

Qn1 (10 marks)

Deadline 26 Aug (Sat), 2359 hrs

Use the Bisection method and the Newton Raphson method to:

- a) Solve $\sqrt{5}$
- b) Determine the root(s) of function: $y = (5e^{-x} - 1)/(1 - e^{-2x})$

Write the subroutine with Matlab. Comment on the performance of the two methods.

CE5377 students:

Solve 1a only.

CE6077 students:

Solve 1a and 1b.