September 09, 2024

**CE442 – Numerical Analysis & Computational Methods**

**Assignment 1**

Q1- For the function :

1. Write an algorithm to compute Riemann integration.
2. Plot absolute error for different values of , the total number of intervals.

Q2- Let and . Determine

1. The third Taylor polynomial for f about ; and
2. The fourth Taylor polynomial for f about .

Due date is Sunday, September 15, 2024 by 11:59PM.