

Question — assigned:

1. Explain how to derive an $(n + 1)$ -point formula to approximate $f'(x_0)$.
2. Explain the difference between the Trapezoid rule and the Composite Trapezoid rule. You must use a sketch to illustrate your answer.
3. Explain with 3 sketches the differences between the Midpoint rule, the Trapezoid rule, and the Simpson's rule.