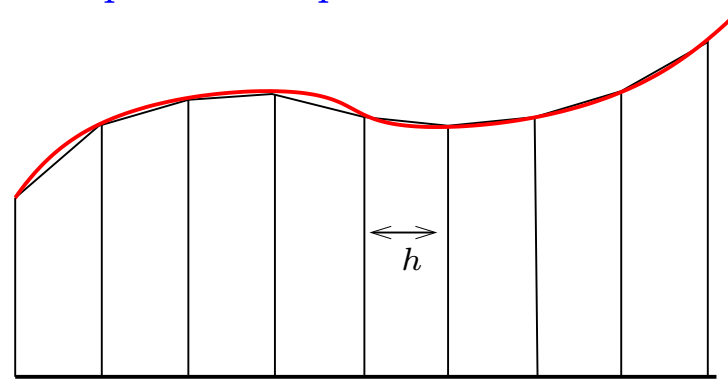
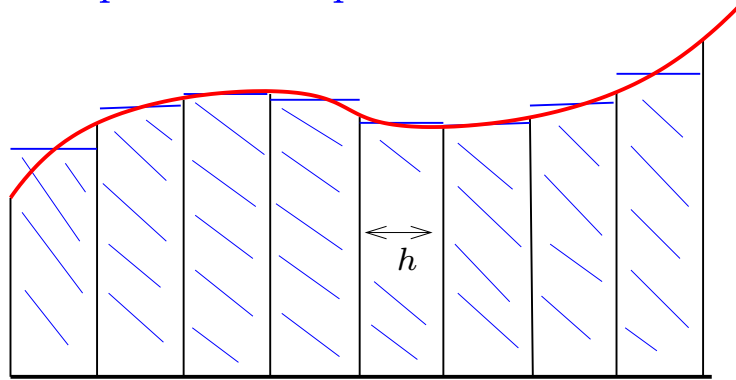


composite midpoint rule and trapezoidal rule

composite midpoint rule

composite trapezoidal rule



$$Q_a^b(f) = \sum_{i=0}^{N-1} h f(m_i)$$

$$Q_a^b(f) = \sum_{i=0}^{N-1} h \frac{1}{2} [f(x_i) + f(x_{i+1})]$$