

Assignment 02

1. **Find** the root of the equation $\sin x - 5x + 2 = 0$ bisection method $[0,1]$, correct to four decimal place.
2. **Find** the positive root of the equation $x^2 - 4x - 10 = 0$ by Newton-Rephson method.
3. **Using** Newton-Rephson method find the roots of the equation $e^x - 4x^2 = 0$ that lies in $(4,5)$