

# ME 3001 Lecture, Roots of Non-Linear Equations

- **What is a Non-Linear Equation ?**

” an equation whose graph does not form a straight line”

- **Different Types of Non-Linear Equations**

- Polynomials (excluding first order)

- **Transcendentals**

- \* Exponentials

- \* Logarithms

- \* Trigonometrics

- **What does ”Solve the Equation” mean?**

- Let us do a simple example

$$y = x^2 + 2x - 10$$