**Solutions of Equations in One Variable**

Following are the methods used in numerical approximation on **root-finding problem.** This process involves finding a **root,** or solution, of an equation of the form f(x)=0, for a given function **f.**

A root of this equation is also called a **zero** of the function **f.**

**Newton’s Method:** It is one of the most powerful and well-known numerical methods for solving a root-finding problem.

**Secant Method:** It is a slight variation from Newtons Method. Because Newtons Method requires us to know the value of the derivative of **f** at each approximation