Hw1. S Solve equation f(x)=0

1. f(x)=0，Give at least 5 equations, 3 by yourself and 2 by teacher

2. Using (1) Bisection   (2) False Position   (3) Modify False Position   (4) Newton   (5) Secant   (6) Fixed Point Mtohods to solve equation f(x)=0

3. Report

   (1) The solution of f(x)=0 for each method

   (2) Compare the effectiveness of the 6 methods for each equation.

   (3) Which method be effectiveness？

   (4) Analysis the advantages and disadvantages？

   (5) Which method is your favorite？why？

   (6) What is your feeling for this experiment？

   (7) State what you seen.