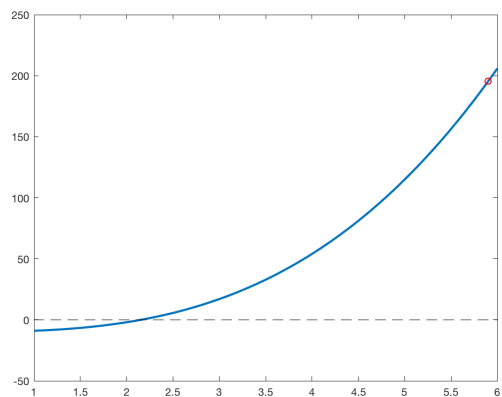


Question — assigned:

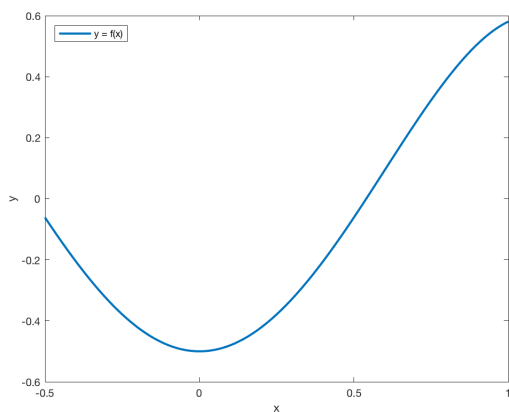
1. Sketch the principle of the Newton's method on the following graph (the first guess is indicated by a circle):

What is the expected order of convergence ?



2. Sketch the principle of the bisection method on the following graph (5 iterations at least):

What is the expected rate of convergence ?



3. Sketch the principle of the fixed-point method on the following graph (5 iterations at least):

What are the expected rate and order of convergence ?

