Problem Set 2

Question 1: If $g(x) = x^2 - 3$ has a root in [1,3]. Use the bisection method to approximate the root

that is accurate to at least within 10^{-2}.

Question 2: If $g(x) = x^2 - 3$ has a root in [1,3]. How many iterations are needed for the bisection to get an error of less than 10^{-2}.