## Homework 1, Computer Problems (Math 174/274)

(I) Write your own program to implement the bisection algorithm, and use it to find roots of the following functions on the given intervals:
(a) $x^{-1}-\tan (x)$ on $[0, \pi / 2]$
(b) $2^{-x}+e^{x}+2 \cos x-6$ on $[1,3]$.
(II) Find a root of the functions $x-\tan x$ on $[1,2]$.

