Lab assignment 1: Root finding methods

- 1. (a) Define the following function in MATLAB: $f(x) = \tan(\pi x) 6$.
 - (b) Plot the curve of f on [-1,1].
 - (c) Apply the secant method to the function

$$f(x) = \tan(\pi x) - 6$$

with the initial guesses 0 and 0.48. What is the behavior of the iterates?