Principles of Programming Languages - Homework 1

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1   Problem 1

(a)

The use of pi at line 4 is bound at which line?
The use of pi at line 7 is bound at which line?

(b)

The use of x at line 3 is bound at which line?
The use of x at line 6 is bound at which line?
The use of x at line 10 is bound at which line?
The use of x at line 13 is bound at which line?

2   Problem 2

3   Problem 3

(d) ii.

No mutable variables? Yup!
Is your implementation tail-recursive? Yes it is!