Question 1. Consider the following procedure, which accepts a list and a function:

(define (listproc1 func items)
  (if (null? items) '()
      (cons (func (car items))
           (listproc1 func (cdr items)))))

Write the result of evaluating the following expression. Use the Substitution Model.

(listproc1 add1 (list 1 2 3 4))
Question 2. Consider the following procedure, which accepts a list and a predicate function:

(define (listproc2 pred items)
  (cond ((null? items) '())
        ((pred (car items))
         (cons (car items)
                (listproc2 pred (cdr items))))
        (else (listproc2 pred (cdr items))))

Write the result of evaluating the following expression. Use the Substitution Model.

(listproc2 odd? (list 1 2 3 4 5))