**CS SE 304 call/cc quiz Day 33. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Show the output when the following expressions are executed in the order shown  
     
   > (define xxx -)  
   > (\* 7 (call/cc (lambda (k)  
    (set! xxx k)  
    (+ 3 (k 4))))) ; output: \_\_\_\_\_\_\_\_\_\_\_  
   > (+ 5 (xxx (xxx 2))) ; output \_\_\_\_\_\_\_\_\_\_\_\_
2. Show the output when the following code is executed:

(call/cc list?) ; output: \_\_\_\_\_\_\_\_\_\_\_

1. We examined the following code in class on Thursday.   
    It returns the position of sym in L, and returns -1 if sym is not in L.

(define list-index

(lambda (sym L)

(call/cc

(lambda (answer)

(let loop ([L L])

(cond [(null? L) (answer -1)]

[(eqv? sym (car L)) 0]

[else (+ 1   
 (loop (cdr L)))]))))))

What would go wrong if we replaced (answer -1) by -1?