

2.4 Consider the following procedures.

```
(define (our-display x)
  (display x) ; display function doesn't return anything useful
  x)          ; procedure returns x
```

```
(define (count1 x)
  (cond ((= x 0) 0)
        (else (our-display x)
                (count1 (- x 1)))))
```

```
(define (count2 x)
  (cond ((= x 0) 0)
        (else (count2 (- x 1))
                (our-display x))))
```

a. What sequence of numbers is displayed for (count1 4)? (Hint: Write out first several substitution steps.)

b. What value is returned for (count1 4)?

c. What sequence of numbers is displayed for (count2 4)?

d. What value is returned for (count2 4)?