Warmup #1

Evaluate:

1. (null? 'x)

2. (first '(1 2 3))

3. (rest '(1 2 3))

4. (rest '(1 (2 3)))

5. (list (if #t 'a 'b) 'a 'b)

6. (cons 'a '())

7. (cons 'a '(c d))

8. (list 1 2 3 4 5)

9. (list 'a '(c d))

10. (max 3 4)

Warmup #2

Java findMax

```
static int minInt = -10000;

public static int findMax(IntList L) {
    if (L == null) {
        return minInt;
    } else {
        return Math.max(L.first,
                findMax(L.rest));
    }
}
```

Scheme factorial

```
(define x 3)

(define (factorial n)
  (if (<= n 1)
      1
      (* n (factorial (- n 1)))))
```

Write findMax in Scheme