Programming in Lisp
Lecture #5: Class Activity

Name: Name:

1. How many symbols are defined (bound) in the following code, textually? How many are present internally? How many symbols are referenced?

```
(defun our-length (x)
 (if (not (listp x))
  nil
  (let ((len (length x)))
        (cond
         ((= len 0) 'Zero)
         ((= len 1) 'One)
         ((= len 2) 'Two)
         ((= len 3) 'Three)
         ((= len 4) 'Four)
         ((= len 5) 'Five)
         (t 'Big)
        )
   )
  )
 )
```

2a. Write a package called "GEOMETRY" that contains a structure representing a triangle.
Make the triangle structure visible to other packages.

2b. Create a second package called "SILLY" that has a structure "DOUBLE-TRI" that contains
two triangles from the "GEOMETRY" package.