Programming in Lisp
Lecture \#3: Class Activity
Name:
Name:

1. Write a function, using mapcar that, given a list of radii, computes a list of cons holding the circumference and area of the circles. Note that the symbol pi evaluates to $3.14159 \ldots$
2. Write a function that converts a list to an array.
3. Consider the following structure
(defstruct right-triangle a b c)
a) Change this definition to automatically compute c from a and b. Hint: set up a default value.
b) Given your new definition, and using the automatically created functions, write a function to check to see if the right-triangle is isocles (two sides equal). Be sure the input structure is a right-triangle.
4. Repeat Problem 2, using iteration.
