**Quiz 0.3b**

1. (3 points) Fill in the blanks for the procedure that takes the 2nd letter of each word in a sentence and puts it in a word. Assume that each word will always have at least 2 letters. For example,

> (2nd-letter ‘(the fool on the hill))

honhi

> (2nd-letter ‘(the octopus garden))

hca

(define (2nd-letter sent)

( \_\_\_\_\_\_ (empty? sent)

“”

(word (first (bf (first sent))) ( \_\_\_\_\_\_\_\_\_\_\_ ( \_\_\_\_\_\_\_\_\_\_\_\_ )))))

1. (3 points) Write a simple exponent function whose first argument is the base and the 2nd argument is the power. Assume that the power will always be a positive integer.

> (pow 3 2)

9

> (pow 5 3)

125

1. Complete the two parts dealing with words and exercises below.
   1. (2 points) Write a function reverse-word that reverses the letters in a word.

> (reverse-word foobar)

raboof

> (reverse-word “”)

“”

1. (2 points) Using reverse-word, write a function that reverses each word in a sentence and also reverses the order of the words

> (reverse-everything ‘(hi hello hey hola))

(aloh yeh olleh ih)

> (reverse-everything ‘())

()

> (reverse-everything ‘(foobar))

(raboof)