

California Institute of Technology
Department of Computer Science
Introduction to Computation

CS1, Fall 2007

Daily Quiz #11

November 5, 2007

Due: end of class **today**

1. [0.1] Who are you? Give your CS Username: _____
2. [0.2] What value is associated with *bar* after the following:

```
(define (lop lst aux)
  (if (null? lst)
      aux
      (lop (cdr lst) (cons (+ (car lst) 1) aux))))
(define bar (lop (list 1 7 9) (list)))
```

3. [0.2]
 - After sampling a set of x values: 1 2 5 8 9

What is the value of:

(a) $E(x)$

(b) $E(x^2)$

Where $E(f(x))$ denotes the expected value of $f(x)$.

(0.2 points is for providing answers to this question. This question is entirely to calibrate the course staff.)

4. Please answer the lecture feedback questions.