

California Institute of Technology
Department of Computer Science
Introduction to Computation

CS1, Fall 2007

Daily Quiz #8

October 24, 2007

Due: end of class **today**

1. [0.1] Who are you? Give your CS Username: _____
2. [0.2] What is the result of evaluating the following Scheme code?

```
(define (fn f v n)
  (if (= n 0)
      v
      (fn f (f v) (- n 1))))
```

```
(fn (lambda (x) (+ x 2)) 0 4)
```

3. [0.2] Given:

$$a = \{1, 2, 4, 7\}$$

$$b = \{1, 3, 7, 9\}$$

What is the value of:

(a) $a \cap b$

(b) $a \cup b$

(0.2 points is for providing answers to these questions, not for getting them correct. This question is entirely to calibrate the course staff on your prior knowledge so that we can tune the lecture, assignments, recitations, and tutorials appropriately.)

4. Please answer the lecture feedback questions.