



# CS3L: Introduction to Symbolic Programming

Lecture 7:  
Review

Summer 2008

Colleen Lewis  
colleenL@berkeley.edu



## Announcements

- Midterm Thursday 9:10-11:10
  - Open book / open note
- Mini-Project Due Monday at 11:59 pm
  - Write both names and logins in the file
  - Only submit once
- Ahmed Extra Office Hour 4-5



## More announcements

- UCWise has planned outage Sundays from 8:00 am to 8:15 am
- New Midterm Grade breakdown
  - Midterm 1 – 12%
  - Midterm 2 – 18%
  - Final – 20%



## Today

- Go over yesterday's quiz
- Take today's quiz
- Go over today's quiz
- Work on the mini-project
- Ask questions



## Write interpret...

- (interpret '(+ 3 2)) -> 5
- (interpret '(- 4 7)) -> -3



## interpret

```
;; this expects x to be in the format '(+ # #)
(define (interpret x)
  (if (equal? (first x) '+)
      (+ (second x) (third x))
      (- (second x) (third x))))
```

## Interpret



```
;; WRONG!!!!  
(define (interpret x)  
  ((first x) (second x) (third x)))  
;; Right...  
(define (interpret x)  
  (eval x))
```

## Interpret



```
(define (interpret x)  
  ( (if (equal? (first x) '+) + -) ;; become + or -  
    (second x)  
    (last x)))
```