FIRST QUIZ

Please read these instructions carefully; they will apply for all our quizzes, but we won't repeat them every time. You have 10 minutes from the start of class to complete this quiz.

Please read all the problems closely. If you have any questions on what a problem means, don't hesitate to ask us. Don't get bogged down on any one problem; if you have trouble on a problem, go on to the next one. Unless a problem specifically asks you to consider errors, you should assume that each problem is correct and solvable, and ask us if you believe otherwise.

Please write your answers clearly—we can't give you credit if we can't decipher what you've written. We'll give partial credit for partially correct answers, so writing something is better than writing nothing. But no question requires an answer longer than two sentences, so don't just write everything you know and hope that the right answer will be included somewhere; we will deduct points for needlessly long answers. Good luck!

Problem 1 (4 points)

Each of the following statements claims to be a policy, procedure, good advice, or other characteristic of Informatics 41, but each is inaccurate, misguided, or wrongheaded in some way. Please change each statement (as little as possible) to make it an accurate statement on the same topic.

(a) If you send course-related questions by e-mail to `i41@uci.edu`, you shouldn't expect a response in under 24 hours (if at all).

(b) In pair programming, it's best to find the most experienced partner you can, so your partner can handle the hard parts.

(c) This is college; attending class and lab are optional, so missing them has no bad consequences.

(d) Informatics 41 has nothing to do with computer science; there's a separate Computer Science department and major for that.

Problem 2 (4 points)

Evaluate each of the following Scheme expressions. That is, what value does DrScheme display in the interactions window when you enter the expression or click Run? (Recall that the function `string-length` takes a string as its input and returns the number of characters in the string; for example,
`(string-length "Hello")` returns 5.)

(a)   `(+ 25 10)`

(b)   `(* 10 (- 60 5))`

(c)   `(/ (* 4 5) (+ 1 3))`

(d)   `(+ (string-length "ICS") 10)`

Problem 3 (2 points)

After evaluating the two Scheme expressions below, DrScheme displays one number. What is it?

```
(define MASCOT "Anteater")
(* 2 (string-length MASCOT))
```