CS61A – Lab Assignment 3.1	Kurt Meinz
University of California, Berkeley	Summer 2005

- 1. SICP ex. 2.25 and 2.53; these should be quick and easy.
- 2. SICP ex. 2.55; explain your answer to your TA.
- 3. SICP ex. 2.27. This is the central exciting adventure of today's lab! Think hard about it.
- 4. Each person individually make up a procedure named mystery that, given two lists as arguments, returns the result of applying *exactly two* of cons, append, or list to mystery's arguments, using no quoted values or other procedure calls. Here are some examples of what is and is not fair game:

Type your mystery definition into a file, and have one of your partners load it into Scheme and try to guess what it is by trying it out with various arguments.

After everyone has tried someone else's procedure, decide with your partners which procedure was hardest to guess and why, and what test cases were most and least helpful in revealing the definitions.