CS 381	**Introduction to Theory of Computing**	Quiz 1
Summer 2000		May 25, 2000

Write your name in the space below. Failing to do so may result in not recording the points you earn for this quiz.

1. Does $\emptyset^{\emptyset}$ have any interpretation? If yes, what is it?

2. Give the power set of $\emptyset^*$.

3. Fill in the blank: $|2^{2^A}| =$ ________.

4. True or false?
   If Σ is an alphabet and $x \in \Sigma^*$, then $x = \{x\}$.

5. If Σ is an alphabet, and $x \in \Sigma^*$, which of these notations is correct: x^*, $\{x\}^*$
   A. None B. x^* C. $\{x\}^*$ D. Both