

## **CS 381 Homework 2**

### **due Friday September 9**

1. Do each problem on a separate set of sheets and please remember to write your name, net-id and problem number on each sheet.
2. 2.3.1.
3. 2.3.4.
4. 2.5.1.
5. 2.5.3.
6. Describe the set of strings denoted by  $\{0^n 10^{n+1} 1 | n \geq 1\}^* \cap 01\{0^n 10^{n+1} 1 | n \geq 1\}^* 0^* 1$ .