Midterm 1
CS 373: Theory of Computation

Date: Thursday, February 21, 2013.

Instructions:

- This is a closed book exam. No notes, cheat sheets, textbook, or printed material allowed.

- You have 90 minutes to solve this exam.

- This exam has 4 problems. Problems 1 and 4 are worth 10 points, while problems 2 and 3 are worth 15 points. The points are not a measure of the relative difficulty of the problems.

- Please write your name on the top of *every* page in the space provided.

- If your solution does not fit in the space provided, and continues onto one of the back sheets, please indicate clearly where we should look for the solution.

- Unless otherwise stated, "prove that", "show that" for a problem means you need to formally prove what you are claiming.

- You may use, without proof, any result that you were asked to prove in the homework or was proved in the lecture. If you use such a result, please explicitly state the result (like " 'Reverse of regular languages is regular' was proved in a homework", instead of "this was shown in a homework").

Name	
Netid	

Discussion: W 10:00–10:50   W 11:00–11:50   W 12:00–12:50
              W 2:00–2:50   W 3:00–3:50   W 4:00–4:50

Problem	Maximum Points	Points Earned	Grader
1	10		
2	15		
3	15		
4	10		
Total	50		