

CS 3800, Spring 2016  
Homework 6 (50 points)  
Assigned: Friday, 26 February 2016  
Due: Friday, 4 March 2016

1. [10 pts] Do exercise 3.6 in the textbook.
2. [10 pts] Do problem 3.9 in the textbook (both parts).
3. [10 pts] Do problem 3.15 in the textbook (both parts).
4. [10 pts] Do problem 3.19 in the textbook. (Hint: Turing-recognizable languages are recursively enumerable.)
5. [10 pts] Do exercise 4.7 in the textbook.