The “Problems to be turned in” are to be done in groups of 3 (or 2 if necessary), each group should turn in one set of solutions with each group member’s name and e-mail account clearly indicated at the top. Students are to select their own groups and review the homework policies on the course information sheet.

Note: There will also an optional individual Gradiance homework for this week.

Problems to be turned in (10 pts):

1. (4 pts) Exercise 8.2.3 on page 336 (TM subroutine to add 1 in binary).
2. (2 pts) Exercise 8.2.5 part b) only, on page 337 (describe the language of a given TM).
3. (4 pts) Exercise 8.3.2 on page 343 (shifting the tape 1-space to the right)

Recommended exercises (not to be turned in):

- Exercise 8.2.1 on page 335
- Exercise 8.3.3 on page 343