

## Week 4 Exercises

**Directions:** The problems listed below can be found in the exercise sets in the online text at <http://www.casa.uh.edu>. After you have solved the problems, write-up your solutions neatly, showing all steps, with the problems solved in the order listed below. Place your name and student ID in the upper right hand corner of each sheet, scan your written solutions, and then use CourseWare to upload your work.

**Textbook Exercises:**

**3.6:** 2, 4, 5, 6, 8, 10

**3.7:** 2, 6, 12, 14, 24, 26

**4.1:** 4, 5, 6

**4.2:** 2, 4, 6, 16, 20, 21

**4.3:** 2, 4, 10, 20, 24, 28 (with 20, 24, and 28 solved using Laplace transforms!)