

MATH256-103 Homework Assignment 6 (Due Date: October 31, 2014)

Homework will be collected after the class on October 31. Late homework is admitted until 6pm on October 31. Graded homework is placed in a cardboard box outside my office for one week for you to pick up. Afterwards unclaimed homework is moved to a drawer of a file cabinet near my office. Your assignments are organized in the alphabetic order of last names. For other people's convenience, please do not change this order when you pick up your assignment.

Do all the problems listed below. 8 Problems will be chosen to be marked.

7.9: 1 (use Method of Diagonalization), 3 (use **Method of Variation of Parameters**), 6 (use the method of variation of parameters), 8 (use the method of undetermined coefficients), 12 (use the method of variation of parameters), 14

6.1: 5, 6, 15, 21, 23

6.2: 1, 3, 9, 11, 15

Remark: For problem 7.9 (3), you will get full marks as long as you get the right answer, whatever the method you use.