

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Electrical Engineering and Computer Science

6.003: Signals and Systems—Fall 2003

PROBLEM SET 6

Issued: October 21, 2003

Due: October 29, 2003

Reading Assignments:

Lectures #12-13 & PS#6: Chapters 6&7 (through Section 7.2) of O&W

Lectures #14-15 & PS#7: Chapter 7 (through Section 7.4) and Chapter 8 (through Section 8.4) of O&W

Exercise for home study (not to be turned in, although we will provide solutions):

O&W 6.49

Problems to be turned in:

Problem 1 O&W 4.35 (yes, this is a problem from Chapter 4 not a typo !)

Problem 2 O&W 6.28 (a)-(iii) and (v)

Problem 3 O&W 6.32 (b)

Problem 4 O&W 6.39 (j)

Problem 5 O&W 6.43 (a)

Problem 6 O&W 6.58 (a), (b)

Problem 7 O&W 7.22

Problem 8 O&W 7.23

Reminder: The first 20 problems in each chapter of O&W have answers included at the end of the text. Consider using these for additional practice, either now or as you study for tests.