

University of Portland
School of Engineering

EE 262
Spring 2016
A. Inan

Homework # 7-Fourier Transform
(Assigned: Wednesday, March 23, 2016)
(Due: Monday, April 4, 2016, 9:15a.m.)

These problems are assigned from Engineering Signals and Systems by Ulaby/Yeagle (2013) (pages 237-244):

- 5.39. Fourier transform.**
- 5.40. Fourier transform.**
- 5.43*. Fourier transform.**
- 5.47. Fourier transform.**
- 5.48. Fourier transform.**
- 5.51. Properties of Fourier transform.**
- 5.52. Properties of Fourier transform.**
- 5.53. Properties of Fourier transform.**
- 5.54. Properties of Fourier transform.**
- 5.55. Properties of Fourier transform.**

*Extra credit.

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #7-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 262/Spring 2016 on the upper left corner of the first sheet.
- 4) Solve each problem on a separate sheet unless your solution is very short.
- 5) Box all of your answers.
- 6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.

Important reminder:

EE 262-Midterm Exam # 2 is on Friday, April 8, 2016, 9:15-10:10a.m.
Closed book exam, only 2 formula packages are allowed.