University of Portland
School of Engineering

EE 262
Spring 2017
A. Inan

Homework # 4-Laplace Transform
(Assigned: Friday, February 17, 2017)
(Due: Monday, February 27, 2017, 9:15a.m.)

These problems are assigned from Engineering Signals and Systems in Continuous and Discrete Time Second Edition by Ulaby/Yeagle (2016) (pages 124-130):

3.2. Parts (b) & (d). Laplace transform of periodic waveforms.
3.4. Laplace transform of special signals.
3.5. Parts (a), (b) & (c). Properties of Laplace transform.
3.6. Properties of Laplace transform.
3.7. Parts (c) & (d). Laplace transform of special signals.
3.8. Parts (a) & (c). Laplace transform of special signals.
3.10. Initial and final values of a signal.
3.12. Initial and final values of a signal.
3.13. Parts (a) & (b). Inverse Laplace transform using PFE*.
3.14. Parts (b) & (c). Inverse Laplace transform using PFE*.
***Partial Fraction Expansion.

Please use the following guidelines for your homework solutions:
1) On the first sheet, at the top center, write: Homework #4-Solutions.
2) Provide your full name on the upper right corner of the first sheet.
3) Also write: EE 262/Spring 2017 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 # 1 is on Wednesday, March 1, 2017, 9:15-10:10a.m.
Closed book exam, only 1 formula sheet is allowed.