University of Portland
School of Engineering

EE 262
Spring 2017
A. Inan

Homework # 2
(Assigned: Wednesday, January 25, 2017)
(Due: Wednesday, February 1, 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 79-84):

> **2.1. Parts (a), (d) & (f). Linear, time-invariant (LTI) systems.**
> **2.2. Parts (b), (c) & (e). Linear, time-invariant (LTI) systems.**
> **2.3. Impulse and step responses of an LTI system.**
> **2.5. Parts (a) & (c). Response of an LTI system.**
> **2.7. Pulse response of an *RC* circuit.**
> **2.8. Parts (a) & (b). Finding response of an *RC* circuit using superposition.**

Please use the following guidelines for your homework solutions:
1) On the first sheet, at the top center, write: Homework #2-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.