

Homework 1
EE 313 Signals and Systems (Fall 2024)
Wednesday, September 4, 2024

- 1) 1.1a That is, do problem only for figure P1.1(a).
- 2) Calculate the generalized derivative of the functions plotted in 1.1a.
[Hint: you may need to do piecewise answers.]
- 3) 1.2c (separate figure for each Δt)
- 4) 1.7bdj (**do part j only for functions of parts b & d**)- plot for $-3 \leq n \leq 5$
with stem values labeled [can label by hand or using MATLAB text()
command]
- 5) 1.9ae
- 6) 1.17ac
- 7) 1.27
- 8) 1.29ad

For problems that involve the use of MATLAB, include both m-file(s) (put your name in a comment line) as well as output figures (put your name in title), preferably on same page (e.g., cut-n-paste into MS-Word before printing), for each problem and/or problem section.

Due Wednesday, September 11, 2024.