

EE301 Signals and Systems – Spring 2026

Homework 6

Due Date: to Gradescope by midnight on Friday, March 6.

Reading Assignment: Oppenheim and Willsky, Sections 4.0-4.5.

- Text Prob. 4.1 (you do NOT have to do any plots, just expressions)
- Text Prob. 4.2
- Text Prob. 4.4
- Text Prob. 4.21: a, b, c, d, e, f, g, i (for part (f), replace $(t-1)$ by t in 2nd sinc function)
- Text Prob. 4.23
- Text Prob. 4.24: a (only)
- Text Prob. 4.38
- Text Prob. 4.39