

**15-259/559: Probability and Computing**  
**Due Friday 10/24/2025 at 12:50PM**

**Homework 8**

Show all your work. Work through the problems carefully and **do not use online references, mathematical solvers, or GenAI** as a shortcut for finding the solutions. You will regret it in the quizzes and examinations.

Exercises 8.20, 8.21, 9.4, 9.5, 9.6, 9.7, 9.9, 10.1, 10.2 in PnC textbook. You don't need to read Chapter 10 to do 10.1 and 10.2.