

## **CSE 107**

### **Suggested Discussion Problems for Midterm Exam 1**

All problems are from *Introduction to Probability* (2<sup>nd</sup> edition) by Bertsekas and Tsitsiklis. Solutions can be found at <https://classes.soe.ucsc.edu/cse107/Fall22/text-solns.pdf>, or in the text itself.

#### Section 3.5: Conditioning

Problems: 21, 22, 23, 25, 29, 33

#### Section 3.6: Continuous Bayes Rule

Problems: 34

#### Section 4.1: Derived Distributions

Problems: 1, 2, 7