

Math 170S
Homework for Section 8.8 *†
Instructor: Swee Hong Chan

Note: Homework will not be collected, but the question for the quizzes might be picked from the homework questions.

1. Solve Problem 8.8-1 in the textbook.
2. Solve Problem 8.8-2 in the textbook.
3. Solve Problem 8.8-5 in the textbook.
4. Solve Problem 8.8-8 in the textbook. (Hint: An exponential random variable with mean 2 is also a chi-square random variable with 2 degrees of freedom.)

*Version date: Saturday 6th June, 2020, 21:05.

†This homework is based on Hanbaek Lyu's and Liza Rebrova's homeworks from the previous quarter, and I would like to thank her for her generosity here. "*Nanos gigantum humeris insidentes* (I am but a dwarf standing on the shoulders of giants)".