

Homework Assignment #6

Instructor: Professor Chung-Chin Lu

Basic Problems:

The basic problems are for your personal exercise. Please do not turn in their solutions. There will be **no quiz** on October 29th Monday.

pp. 172-175: Problems 4.4, 4.30.

For each of the above two problems, you have to specify the sample space S , the σ -algebra F and the probability function P .

p. 180: Theoretical Exercise 4.7, 4.14.

pp. 183-184: Self-test Problems and Exercises 4.2, 4.5, 4.18. (The solution for 4.18 on page 482 is concise. You have to specify the sample space S , the σ -algebra F and the probability function P .)

Developed Problems:

Please turn in your solutions on **October 31st Wednesday** in class. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

pp. 109-110: Problems 4.19, 4.26.

pp. 180-112: Theoretical Exercise 4.6, 4.32.

For Problem 4.26 and Theoretical Exercise 4.32, you have to specify the sample space S , the σ -algebra F and the probability function P .