

Homework Assignment #5

Instructor: Professor Chung-Chin Lu

Basic Problems:

The basic problems are for you to prepare the quiz on the Monday class. Please do not turn in their solutions.

pp. 105-110: Problems 3.77, 3.90.

p. 113: Theoretical Exercise 3.29

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

pp. 115-116: Self-test Problems and Exercises 3.20, 3.21, 3.22. (The solutions for 3.20 and 3.21 on pages 473-474 are 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 24th Wednesday** in class. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

pp. 109-110: Problems 3.79, 3.82, 3.83.

pp. 111-112: Theoretical Exercise 3.13.

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