

Homework Assignment #3

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. 102-103: Problems 3.4, 3.10, 3.19. (For each of the three problems, You have to specify the sample space S , the σ -algebra and the probability function P .)

p. 110: Theoretical Exercise 3.1.

pp. 114-115: Self-test Problems and Exercises 3.4, 3.6, 3.13. (The solutions for these problems on pages 469-471 are concise. You have to specify the sample space S , the σ -algebra F and the probability function P .)

Developed Problems:

Since October 10th is a holiday and we will have no class, please turn in your solutions on **October 9th Tuesday before 10 pm** at EECS Lab 608. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

pp. 103-105: Problems 3.26, 3.38, 3.41. (For each of the three problems, you have to specify the sample space S , the σ -algebra F and the probability function P .)

p. 111: Theoretical Exercise 3.4. (You have to specify the sample space S , the σ -algebra F and the probability function P .)