

## Exercise 5

- There will be five exercises in this semester, which will account for 10% of the grade of this course.
  - Exercise 5 includes 4 questions.
  - Questions 1-4 are problem-solving questions requiring detailed solutions.
  - Please show the details of your work leading to the solutions.
  - The full mark of this assignment is 100.
  - Submit a pdf file of your answers on Blackboard by Tuesday, Dec 15, 2020.
- 

**Question 1** Textbook Problem 8.1 (large sample approximation method at the level of significance 0.05), 8.20, 8.27

**Question 2** Textbook Problem 8.4

**Question 3** Textbook Problem 8.40 (large sample approximation method at the level of significance 0.05)

**Question 4** Textbook Problem 9.1, 9.7, 9.13