

IEOR 3106: Introduction to Operations Research: Stochastic Models

Fall 2012, Professor Whitt

Homework Assignment 11: Tuesday, November 27. THE LAST ONE!

Due on Tuesday, December 4. (Thursday, December 6, is the last class.)

Chapter 10: Brownian Motion

In Ross, read Sections 10.1-10.3 and 10.6. (The total required reading is approximately 11 pages.)

Do the following exercises at the end of Chapter 10.

1. (answer in back)

2. Hint: Apply the result in the middle of page 628.

3. (answer in back)

5. (answer in back)

6.

7. (answer in back)

16. Hint: A *martingale* is defined just before Exercise 10.16. I will hand out notes that discuss martingales in more detail.

17.

20. (answer in back) Hint: relevant information is stated just before Exercise 10.20.

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