

MA 485-1E (Probability Theory), Dr. Chernov
Due Mon, Sep 30

Assignment #5

Chapter VI. Problems 6.1.2, 6.1.4, 6.1.8 In addition: in the last two problems, find the distribution function.

Warning: carefully read the problems, the wording may be confusing. In 6.1.4, X is the lifetime of the tire divided by 10,000. In 6.1.4(b), a conditional probability is involved. In 6.1.8, X is the negative of the loss divided by \$1000.

The starred problems are for extra credit. Each problem is graded on the base of “4 points max”.

The Midterm-I test on Friday will cover Sections 1–4 of the classnotes. Section 5 will be covered in Midterm-II.