MA 486-25 (Statistics), Dr. Chernov Due Tue, Apr 24

Assignment #3

5th Edition: 7.1.2, 7.1.8, 7.1.18ab, 7.2.4, 7.2.10*ab

6th Edition: 8.1.2, 8.1.8, 8.1.18ab, 9.2.4, 9.2.10*ab

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

The average in the first midterm test is 84 out of 100. The solutions are available on my web page.

Note: the hint given in problem 2 was incorrect. It should have been

$$\int_{-\infty}^{0} x^2 e^{x/\theta} \, dx = 2\theta^3$$

(rather than $\ldots = -2\theta^3$). This extra negative sign caused some confusion, for which I did not take off any points. Sorry for the error.