M362K (57055), Homework #3
Instructor: Ravi Srinivasan

Due: 12pm, Monday, Feb. 15

Note: Please include your name and UT EID on the front page. To get credit, please show your work and not only your final answer. Please keep answers organized in the same order the problems have been assigned.

Complete the following problems from ``Probability,'' by Jim Pitman:

--Binomial distribution (cont'd)--
* pp. 91-92, #8,10
* p. 132, #4

--Normal (Gaussian) approximation to binomial--
[Note: Only need to use standard normal approximation in these problems (no need to use skew-normal). Refer to Appendix 5 for a table of computed values.]
* pp. 108-109, #2,4,6,8,10,12,14
* p. 134, #22

--Poisson approximation to binomial--
* pp. 121-122, #2,4,6