

M362K (56310), Homework #3

Due: 12:30pm, Thursday, Feb. 10

Instructions: Please show all your work, not only your final answer, in order to receive credit. Please keep answers organized in the same order the problems have been assigned.

Sequences of events (1.6)

1. Pitman, p. 70, #2
2. Pitman, p. 70, #3
3. Pitman, p. 71, #5
4. Pitman, p. 71, #6
5. Pitman, p. 71, #7

Combinatorics and applications to probability (A.1)

6. Pitman, p. 513, #(i), (vii), (viii), (xi), (xii), (xiii), (xiv)
7. Pitman, p. 132, #6
8. Pitman, p. 134, #16
9. Pitman, p. 134, #17

Binomial distribution (2.1)

10. Pitman, p. 90, #1
11. Pitman, p. 91, #2
12. Pitman, p. 91, #4
13. Pitman, p. 91, #5
14. Pitman, p. 91, #11
15. Pitman, p. 132, #8