Assignment 13

This assignment will not be collected.

Exercises: (P = Problems, TE = Theoretical Exercises)

Chapter 8: P 2, 3, 4, 5, 6, 7, 8, 10, 13, 14, 15, 17

Hints: Chapter 8: P 2. For (a) use Markov’s inequality; for (b) and (c) use Chebyshev’s inequality.
6. Notice that the desired event is just the event that the total after 79 rolls is less than 300. Use
the central limit theorem.
10, 13 (c,d). Remember that the difference of independent normal random variables is normal (and
that you know how to calculate its mean and variance).