

STAT 514

Homework 1

Due 1.23.2013

1. CB (Casella & Berger, 2nd edition) 3.27
2. CB 3.28
3. CB 3.31
4. CB 3.32
5. CB 3.41
6. CB 3.42
7. CB 6.1
8. CB 6.2 (Note that this is not an iid random sample. However, the joint density is easy to write.)
9. CB 6.3
10. CB 6.4
11. CB 6.5
12. CB 6.6
13. Use Theorem 6.2.2 to show that $\sum_{i=1}^n X_i$ is a sufficient statistics for λ , where X_1, \dots, X_n are iid Poisson with mean λ .