

Lecture 10

February 6, 2015

1. Try 3.3.29
2. Try 3.3.31
3. Try 3.3.34. Hint: refer to the example with the p -test in the lecture
4. Try 3.3.35. Hint: Let Y be the amount of money in revenue if the store orders 3 copies and Z be the amount if the store orders 4 copies. For example when $X = 2$, we have $Y = 2(4) - 6 = 2$ and $Z = 2(4) - 8 = 0$ (Spend some time to think why). From a table for X, Y, Z with the probability and compare $E(Y)$ and $E(Z)$.
5. Try 3.3.37
6. Try 3.3.38. Hint: Find $E(h(X))$ compare it with 1/3.5.