

Homework 5

May 8, 2012

Exercises:

1. Find the mean and variance of the discrete random variable defined as $Z = 5X + 3$, where X has the following probability distribution:

| | | | | |
|------|-----|-----|-----|-----|
| x | 0 | 1 | 2 | 3 |
| f(x) | 0.4 | 0.3 | 0.2 | 0.1 |

2. Book (pp. 150-151): Exercises 5.10, 5.26 (+ explain how you proceeded if you used Tables from appendix)
3. Book (pp. 164-166): Exercises 5.56, 5.74
4. Book (pp. 185-187): Exercises 6.4, 6.16

Deadline: May 15, 13:40.