## CS/MATH 335: PROBABILITY, COMPUTING, AND GRAPH THEORY HOMEWORK 1 DUE IN CLASS FRIDAY, SEPTEMBER 23, 2016

Taylor Heilman and Matt Iammarino

## **Partner Problems**

Roughly in order of difficulty

Mitzenmacher 3.8
 Mitzenmacher 3.23
 Mitzenmacher 3.12
 Mitzenmacher 3.11

To find the Var[x] we need to find  $E[x]^2$  and  $E[x^2]$ 

## **Individual Problems**

(5) Mitzenmacher 4.6