

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

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**Partner Problems**

Roughly in order of difficulty

- (1)
- (2)
- (3)
- (4)

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

**Individual Problems**

- (5)