

COMPUTER SCIENCE 20, SPRING 2012
DISCRETE MATHEMATICS FOR COMPUTER SCIENCE
Class #25 (Conditional Probability)

Homework, due in hard copy Wednesday 4/11/2012 at 10:10am

Please write your TF's name on your homework, and list the names of any students with whom you collaborated.

1. Consider the strange dice from the last homework, which are 10-sided and have the property that the probability of rolling n is *proportional* to n . Imagine a situation in which you roll one of these dice, and then flip m coins, where m is the die roll. What is the probability of flipping at least 8 heads? Express your answer as a fraction; please do not compute a decimal.