

## Fall 2019 COT 3100 Homework #8 Grading Criteria - Total 20 points

Grading: Grade each of these three questions closely, out of 5 pts:

Q1: 5 pts: 1 pt for (1,1,1,1,1,1,3), 1 pt for (1,1,1,1,1,2,2), 1 pt for 8C1 and 8C2, 1 pt for 56C10, 1 pt for putting everything together correctly

Comment on the written explanations for why terms are in the probability, if they are either not there or vague.

Q3: 5 pts: 2 pts for the sample space being area 1, 1 pt for figuring out pts within  $1/2$  of a corner are a circle of  $r=1/2$ , 1 pt for getting the area of the four quarter circles to be  $\pi/4$ , 1 pt for the final answer using subtraction.

Comment on the written explanations given for both the sample space and the "success space".

Q7: 5 pts: 2 pts for conditional prob equations or tree diagram for part a, 2 pts for the conditional prob equations or tree diagram for part b, 1 pt for the final solutions

Comment on the readability of the tree diagram and or the words used to explain the equations.

Questions 2,4,5,6,8, 9 - don't look at 5 or 6 at all, these were too hard. Eyeball the rest and give a completion grade out of 5.