Names of Group Members: In Class Activity - Review - Submission After you are done answering the questions in your groups. Write combined solutions to this sheet. Note that will not receive points merely by writing down the answer. Show your work. If you have used R to solve these questions then make sure to write down your R code and the output you received from R. Q1. Is the function on the handout a pdf? Why/not? Q2. a. A lottery game requires players to guess six numbers from 1 to 49. If a player guessed all the six numbers then they win the lottery of the week. What is the probability that a player will win the lottery? b. What is the expected number of weeks until the first win for a player? c. What is the variance?

Fall 2019

UCI - Stats 67

 UCI - Stats 67 Fall 2019 Q3. A customer service agent receives on average 2 calls every 5 minutes. a. What is the probability that they will receive 0 calls in the next 5 minutes? b. What is the probability that they will receive more than 2 calls in the next 5 minutes?