

Math 1313 Online
Week 12
Popper 22(Wednesday's Lecture)

Instructions

- Homework will NOT be accepted through email or in person. Poppers must be submitted through CourseWare. BEFORE the deadline.
 - Submit the completed assignment at <http://www.casa.uh.edu> under "EMCF" and choose Popper 22.
-

1. Do not ask on the discussion board, what was the answer to question 1 from Wednesday's lecture, so mark the same answer according to the video?
2. Do not ask on the discussion board, what was the answer to question 2 from Wednesday's lecture, so mark the same answer according to the video?
3. 11 yellow balls and 14 red balls are placed in an urn. Two balls are then drawn in succession without replacement. What is the probability that the first ball drawn is a red ball if the second ball drawn is yellow?
 - a. 0.4400
 - b. 0.5833
 - c. 0.6000
 - d. 0.9167
4. Urn A contains 7 yellow balls and 3 red balls. Urn B contains 10 yellow balls and 7 red balls. Urn C contains 12 yellow balls and 4 red balls. An urn is picked randomly (assume that each urn is equally likely to be chosen), and then a ball is picked from the selected urn. What is the probability the chosen ball came from urn B knowing that it was a yellow ball?
 - a. 0.0703
 - b. 0.2886
 - c. 0.3434
 - d. 0.3680
5. Using the information from section 7.1 example3, Find the $P(X \leq 1)$
 - a. 0.250
 - b. 0.500
 - c. 0.750
 - d. 1.000