

Math 1313 Online

Week 7

Popper 14(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 14.
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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. You are in charge of seating 4 honored guests at the head table of a conference. How many seating arrangements are possible if the 10 chairs are on one side of the head table?
 - a. 5040
 - b. 210
 - c. 40
 - d. None of the above
4. In a production of *West Side Story*, eight actors are considered for the male roles of Tony, Riff, and Bernardo. In how many ways can the director cast the male roles? **What type of problem is this?**
 - a. Combination
 - b. Permutation
5. An urn contains 17 red marbles and 18 blue marbles. 16 marbles are chosen. In how many ways can 6 red marbles be chosen?
 - a. 102
 - b. 541549008
 - c. 8008
 - d. 56134
 - e. 12376