

Math 1313 Online

Week 8

Popper 15(Monday'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 15.
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1. Do not ask on the discussion board, what was the answer to question 1 from Monday'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 Monday's lecture, so mark the same answer according to the video?
3. Given the following sample space, describe the event of selecting a prime number.

$$S = \{1, 2, 3, 4, 6, 8, 9, 11, 12, 15, 16, 18, 19, 20\}$$

- a. $E = \{2, 4, 8, 16\}$
 - b. $E = \{1, 2, 3, 9, 11, 19\}$
 - c. $E = \{2, 3, 11, 19\}$
 - d. $E = \{1, 3, 9, 11, 15, 19\}$
 - e. None of the above
4. Approximately how long was class on Monday?
 - a. Over an hour
 - b. 50 to 60 min
 - c. 40 to 50 min
 - d. 30 to 40 min
 - e. It was cancelled

5. A committee of 16 people, 7 women and 9 men, is forming a subcommittee that is to be made up of 6 women and 6 men. In how many ways can the subcommittee be formed? How would you set up this problem?

- a. $C(16,12)$
- b. $C(7,6) * C(6,6)$
- c. $C(7,6) * C(9,6)$
- d. $C(6,6) * C(9,6)$