

Math 1313 Online

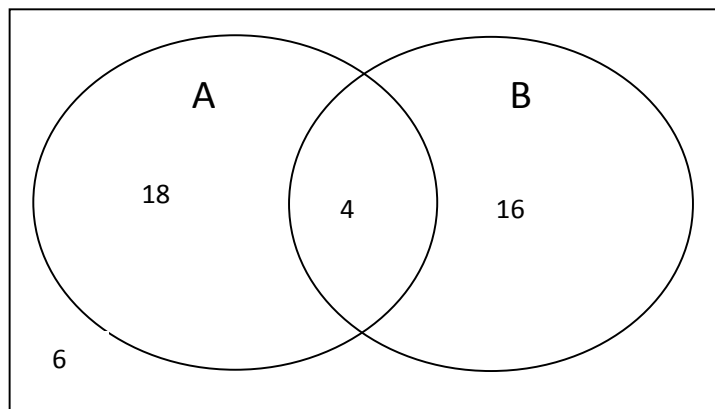
Week 7

Popper 13(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 13.
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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. Suppose that S is the set of successful students in a classroom, and that F stands for the set of freshmen students in that classroom. Find $n(S \cap F)$ given that $n(S) = 57, n(F) = 26$ and $n(S \cup F) = 63$
 - a. 120
 - b. 146
 - c. 83
 - d. 20
4. Given the following Venn diagram, Find $n(A^c \cap B)$



- a. 22
- b. 6
- c. 26
- d. 16

5. A license plate in a certain state consist of 3 letters and 3 digits. How many license plates are possible if any of the letters cannot be 'O' and cannot be a '0' and repetition is allowed?

- a. 11,390,625
- b. 17,576,000
- c. 6,955,200
- d. None of the above