

Math 1313 Online

Week 6

Popper 12(Wednesday's Lecture)

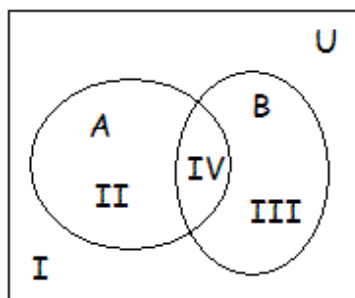
Instructions

- 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 12.
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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. Given the following sets, find $A \cap B^c$.

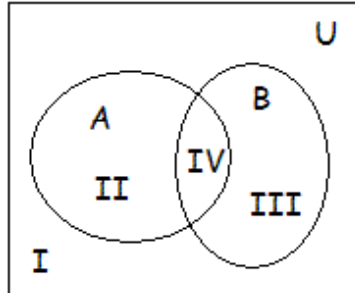
$$U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}, A = \{3, 4, 5, 7, 9, 10\} \text{ and } B = \{2, 3, 5, 7\}$$

- a. $\{2, 3, 4, 5, 7, 9, 10\}$
 - b. $\{3, 5, 7\}$
 - c. $\{1, 6, 8\}$
 - d. $\{4, 9, 10\}$
 - e. None of the above
4. Given the following Venn diagram, which regions make up $A^c \cap B^c$



- a. III and IV only.
- b. I, II and IV only.
- c. I only.
- d. \emptyset

5. Given the following Venn diagram, which regions make up $A \cup B^c$



- a. III and IV only.
- b. I, II and IV only.
- c. I only.
- d. \emptyset