

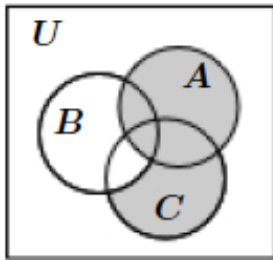
Name \_\_\_\_\_

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

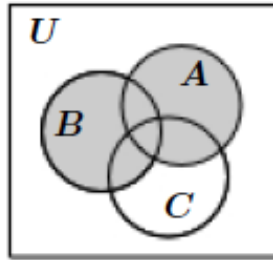
Quiz #4

Points: Each problem is worth 4 points.

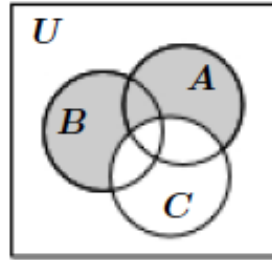
1. Which one of the following is a Venn Diagram for  $A \cup (B - C)$ ?



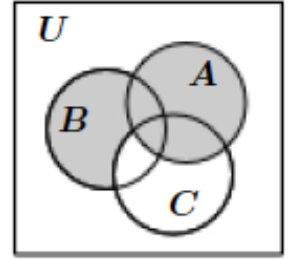
(a)



(b)



(c)



(d)

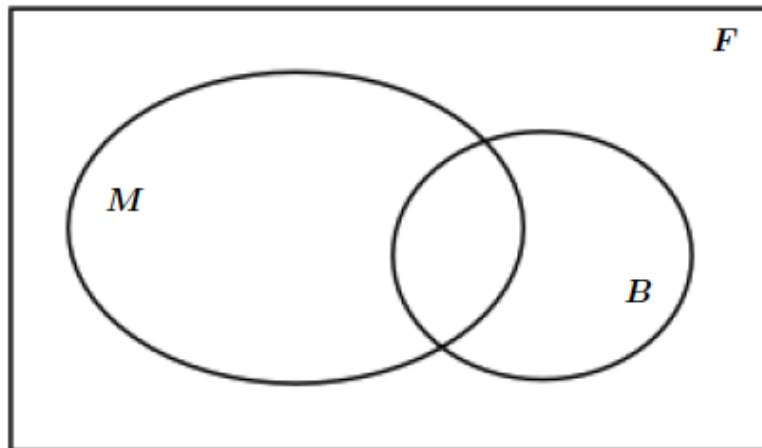
2. In a fraternity with 35 members, 20 take mathematics, 5 take both mathematics and biology, and 10 take neither mathematics nor biology. How many take biology? (Be careful. Read the question.)

(a) 10

(b) 12

(c) 15

(d) 18



Each multiple choice question in this class will be graded as follows. Your answer should be clearly indicated by a circle around your choice for the answer. Circle the whole answer including the letter. You will get 0 points if a wrong answer is circled (even if a correct answer is also circled), you will get 1 point if no answer is circled, and you will get 4 points for a correct answer. Do not put other marks on or around the choices. If other marks are on or around the choices (for example, if a rectangle is placed around an answer), then you will likely get 0 points for your answer depending solely on what the instructor thinks the marks indicate.