

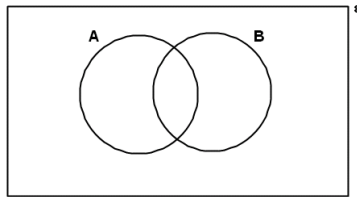


Chapter 8

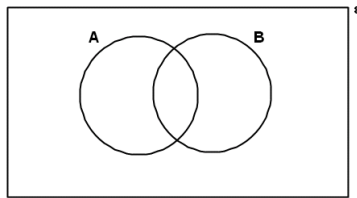
SET'S VECTORS AND FUNCTIONS

Exercise 3 pg 245

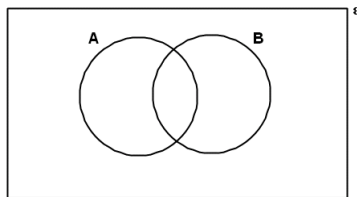
Q1) a) $A \cap B$



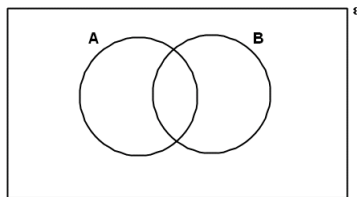
b) $A \cup B$



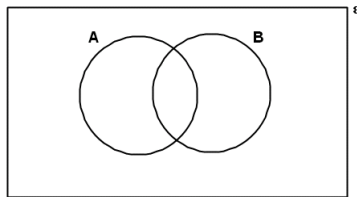
c) A'



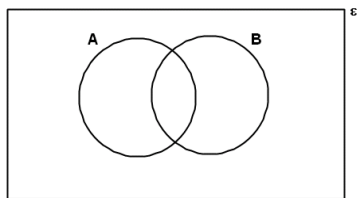
d) $A' \cup B$



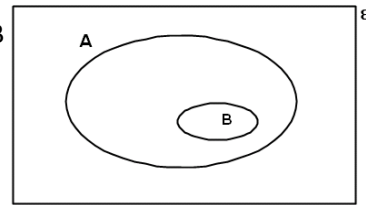
e) $B' \cup A$



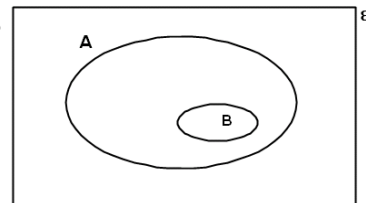
f) $(B \cup A)'$



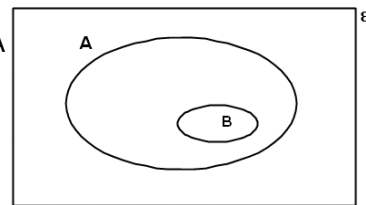
Q2) a) $A \cap B$



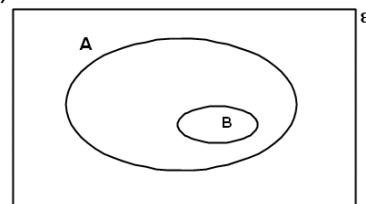
b) $A \cup B$



c) $B' \cup A$



d) $(B \cup A)'$



Please note that

- Q1 part (e)
- Q3 Part (c)

Do not match the text from the book they have been altered to match the solutions printed in the back of the text book.



Chapter 8

Exercise 3 pg 245

SET'S VECTORS AND FUNCTIONS

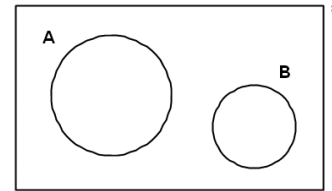
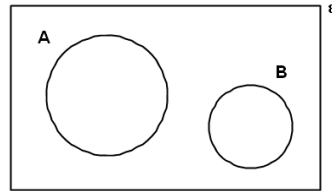
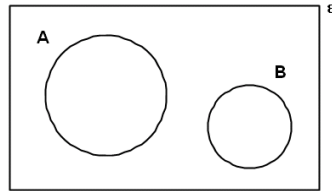
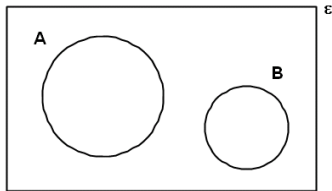
Q3)

(a) $A \cup B$

(b) $A \cap B$

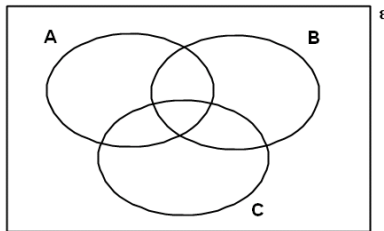
(c) $A \cup B'$

(d) $(A \cup B)'$

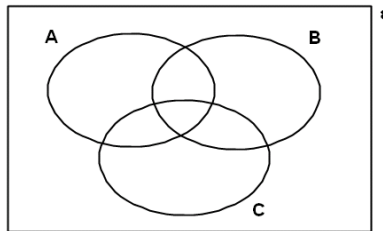


Q4) Shade the following sets.

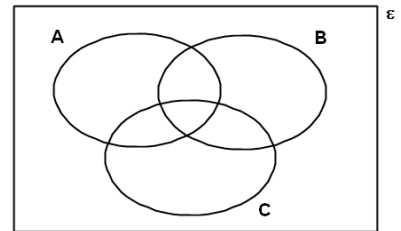
a) $A \cap B$



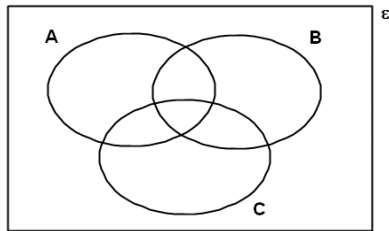
b) $A \cup C$



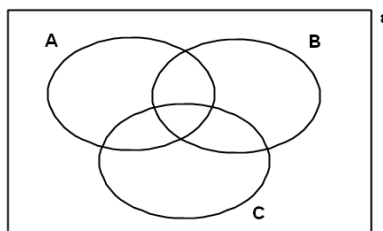
c) $A \cap (B \cap C)$



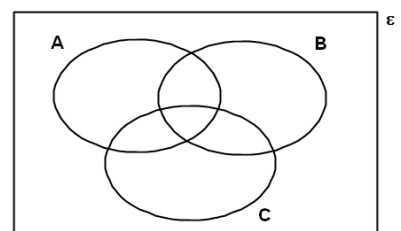
d) $(A \cup B) \cap C$



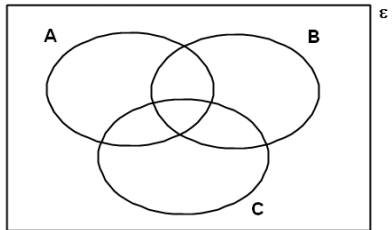
e) $B \cup (A \cap C)$



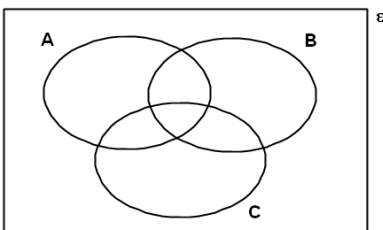
f) $A \cap B'$



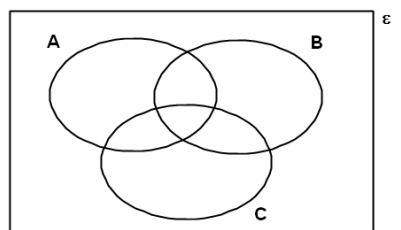
g) $A \cap (B \cup C)'$



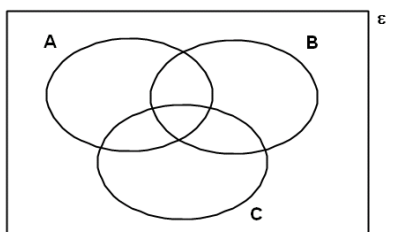
h) $(B \cup C) \cap A$



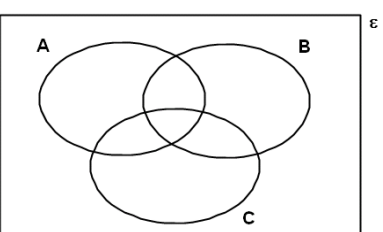
i) $C' \cap (A \cap B)$



j) $(A \cup C) \cup B'$



k) $(A \cup C) \cap (B \cap C)$





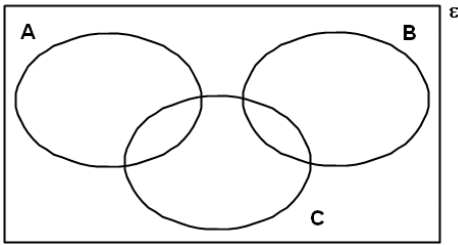
Chapter 8

SET'S VECTORS AND FUNCTIONS

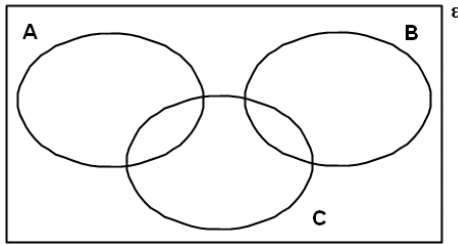
Exercise 3 pg 246

Q5) Shade the following sets.

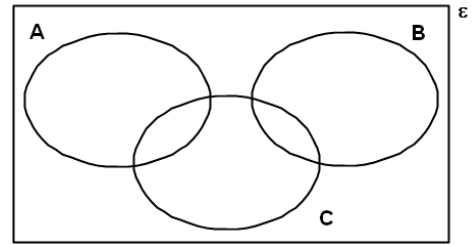
a) $(A \cup B) \cap C$



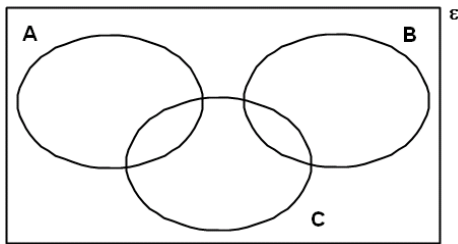
b) $(A \cap B) \cup C$



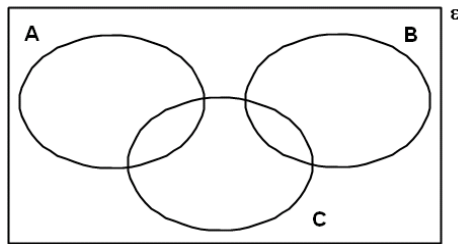
c) $(A \cup B) \cup C$



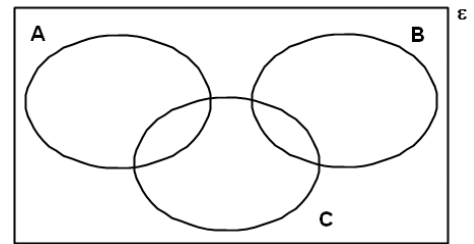
d) $A \cap (B \cup C)$



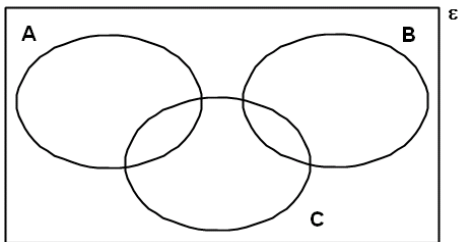
e) $A' \cap C$



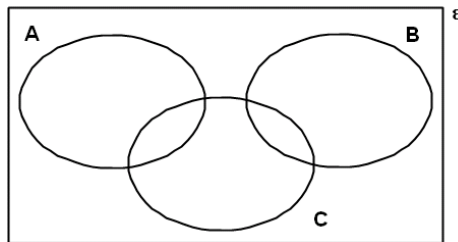
f) $C' \cap (A \cup B)$



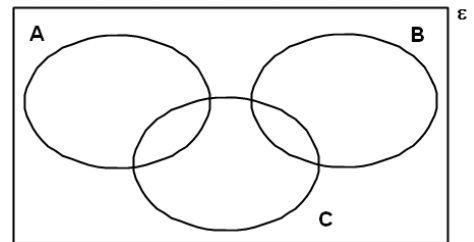
g) $(A \cap B) \cap C$



h) $(A \cap C) \cup (B \cap C)$



i) $(A \cup B \cup C)'$



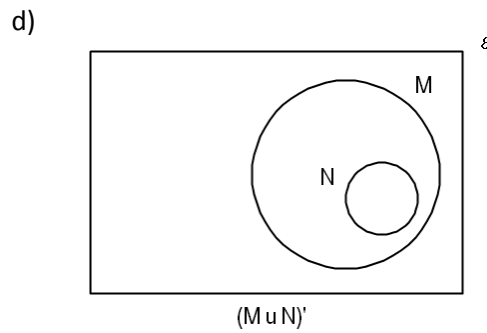
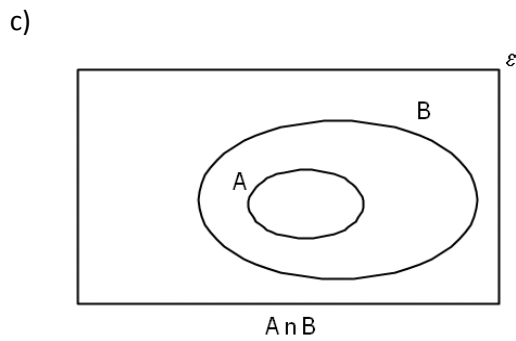
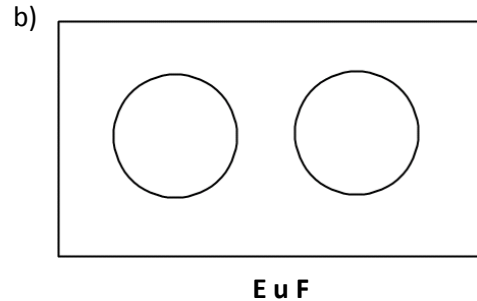
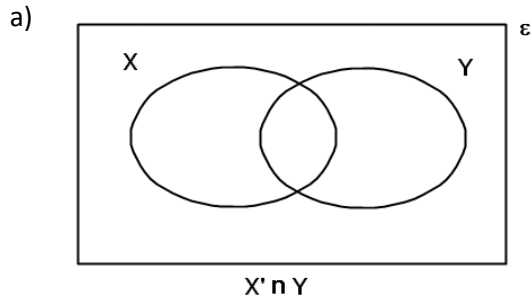


Chapter 8

SET'S VECTORS AND FUNCTIONS

Exercise 3 pg 246

Q6) Shade in the region indicated:



Q7) Describe the region shaded:

