

# Discrete Mathematics: Set Theory

## Using Venn Diagrams

[www.Stats-Lab.com](http://www.Stats-Lab.com)

Twitter: StatsLabDublin

Shade in the following areas on Venn diagrams.

(a)  $A' \cup B$

(b)  $A \cap B'$

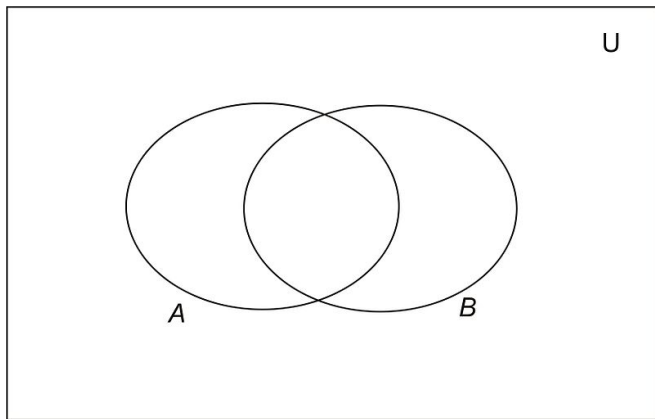
(c)  $(A \cap B)'$

(d)  $A' \cup B'$

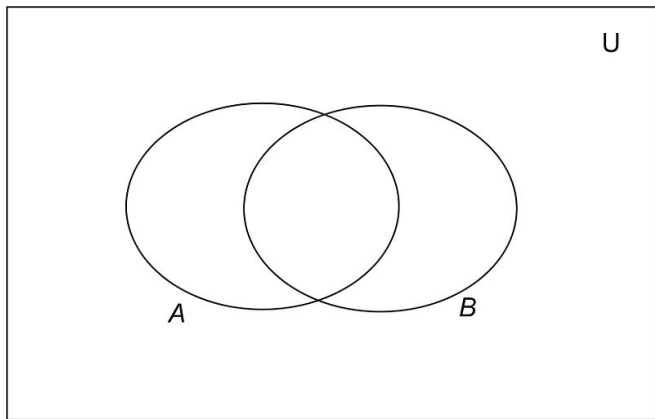
(e)  $(A \cup B)'$

(f)  $A' \cap B'$

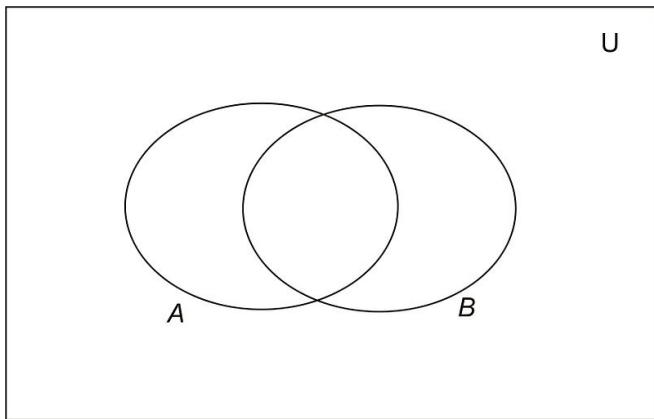
$$(a) A' \cup B$$



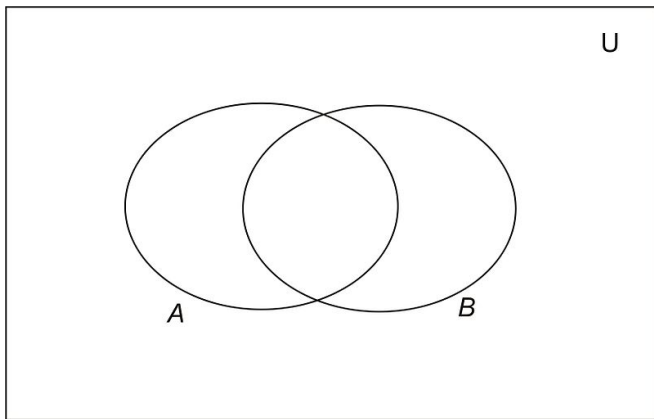
$$(b) A \cap B'$$



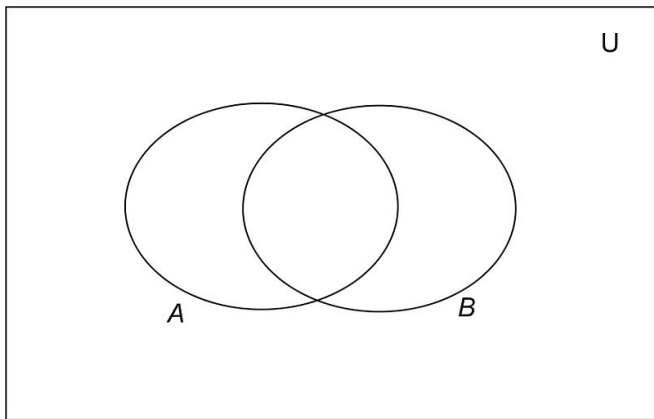
$$(c) (A \cap B)'$$



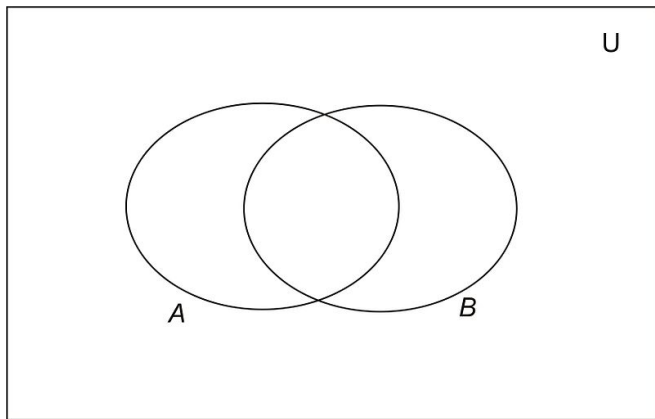
$$(d) A' \cup B';$$



$$(e) (A \cup B)';$$



$$(f) \quad A' \cap B'$$





End