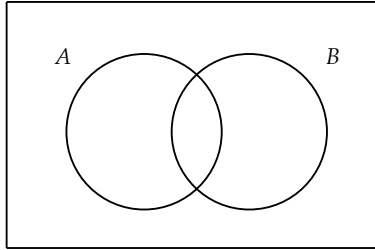


F Michaelmas Set Areas

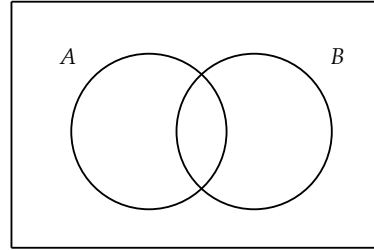
Stolen from a superb BRG sheet.

1. Shade the required areas in the Venn diagrams below.

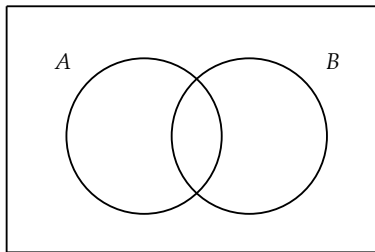
(a) $A \cup B$.



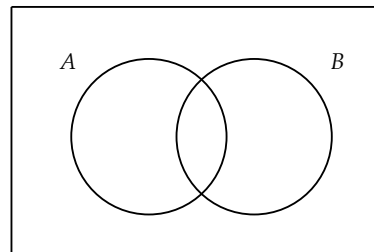
(f) $(A \cup B)'$.



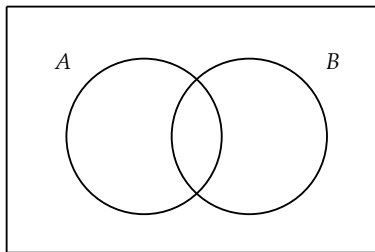
(b) $A \cap B$.



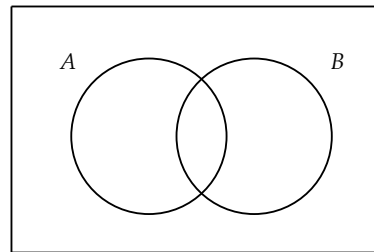
(g) $(B \cap A)'$.



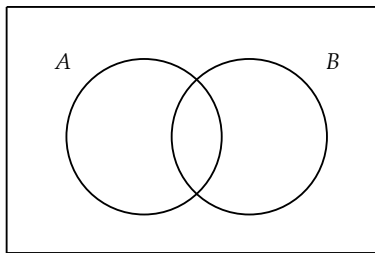
(c) A' .



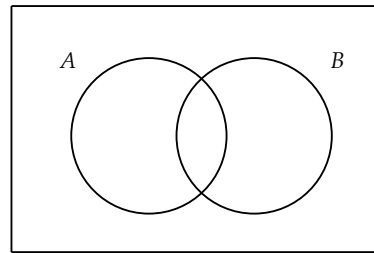
(h) $(B \cup A)'$.



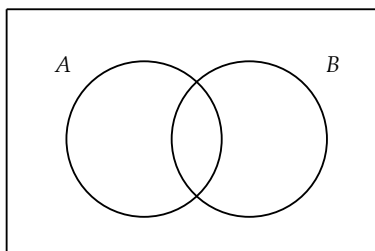
(d) $A' \cap B$.



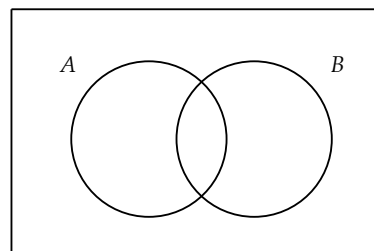
(i) $(A' \cap B)'$.



(e) $B' \cap A$.

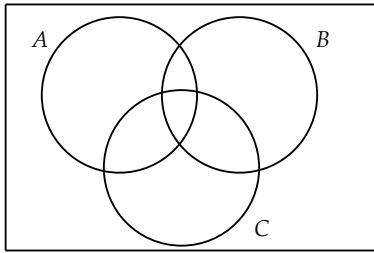


(j) $(A' \cup B)'$.

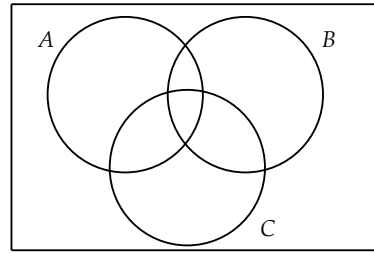


2. Shade the required areas in the Venn diagrams below.

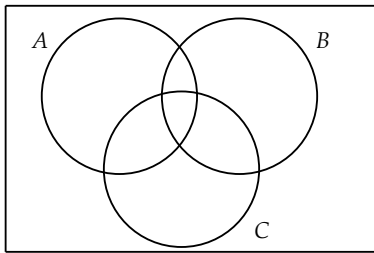
(a) $A \cap B$.



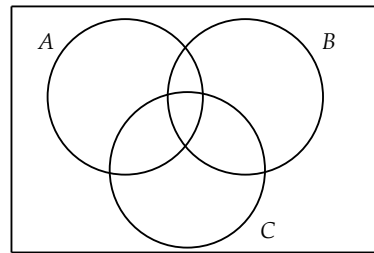
(f) $A \cap B'$.



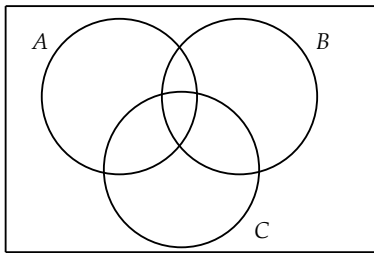
(b) $A \cup C$.



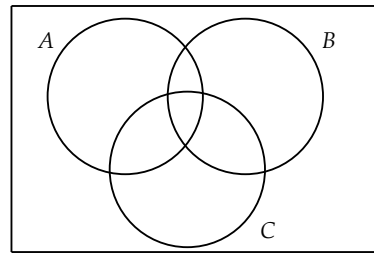
(g) $(A \cup C) \cup B'$.



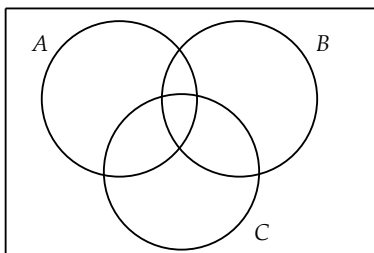
(c) $A \cap (B \cap C)$.



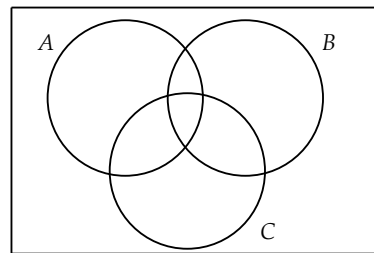
(h) $C' \cap (A \cap B)$.



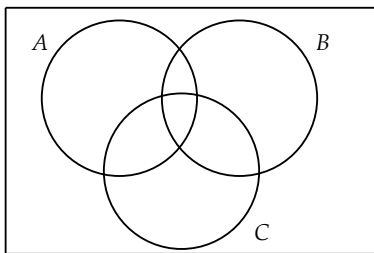
(d) $(A \cup B) \cap C$.



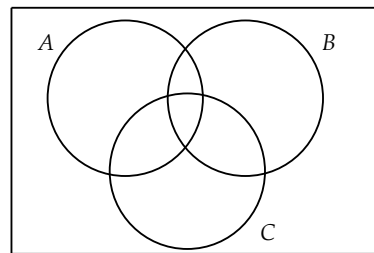
(i) $(A \cup C) \cap (B \cup C)$.



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

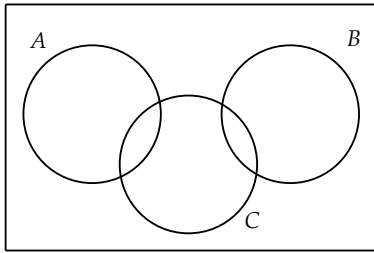


(j) $C' \cap (A \cap B)$.

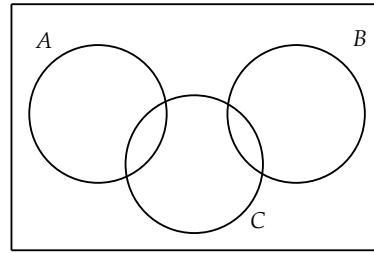


3. Shade the required areas in the Venn diagrams below.

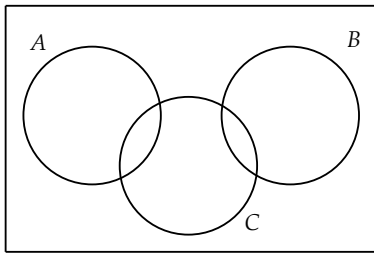
(a) $(A \cup B) \cap C$.



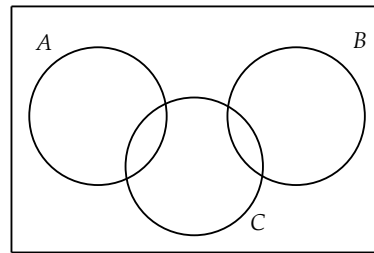
(f) $C' \cap (A \cup B)$.



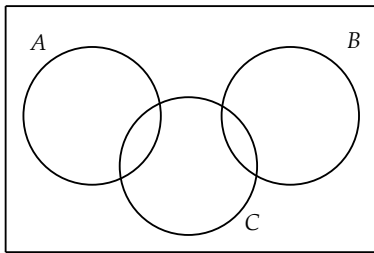
(b) $(A \cap B) \cup C$.



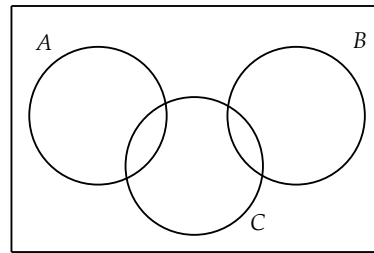
(g) $(A \cap B) \cap C$.



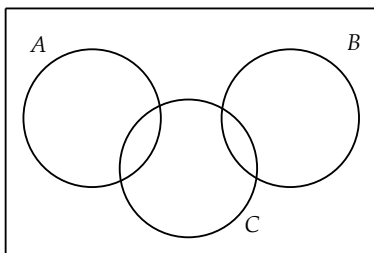
(c) $(A \cup B) \cup C$.



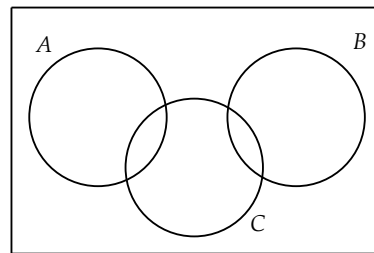
(h) $(A \cap B) \cup (B \cap C)$.



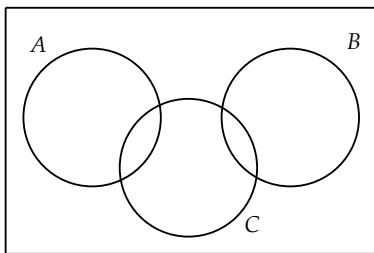
(d) $A \cap (B \cup C)$.



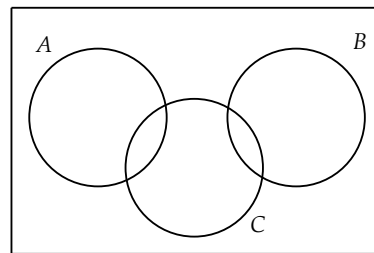
(i) $(A' \cup B) \cap (C \cup B)$.



(e) $A' \cap C$.

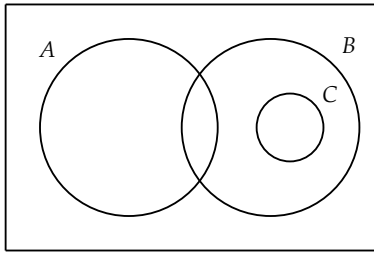


(j) $(A \cap B) \cup (C' \cap B')$.

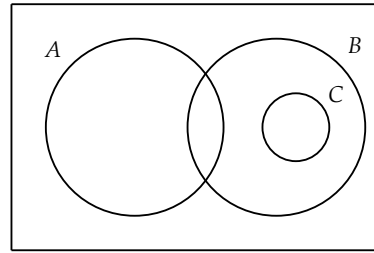


4. Shade the required areas in the Venn diagrams below.

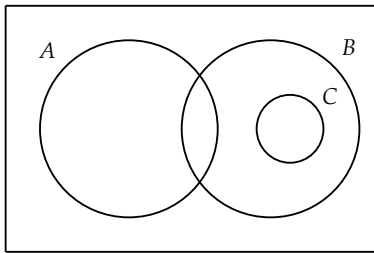
(a) $(A \cup B) \cap C$.



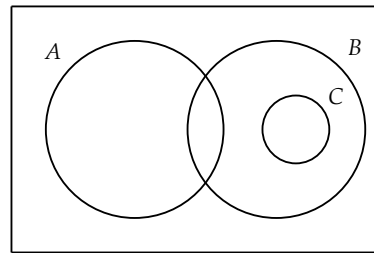
(f) $C' \cap (A \cup B)$.



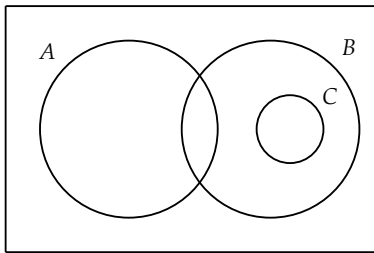
(b) $(A \cap B) \cup C$.



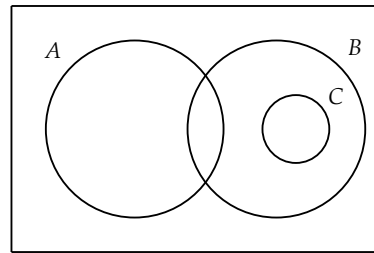
(g) $(A \cap B) \cap C$.



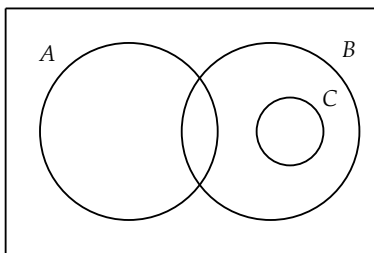
(c) $(A \cup B) \cup C$.



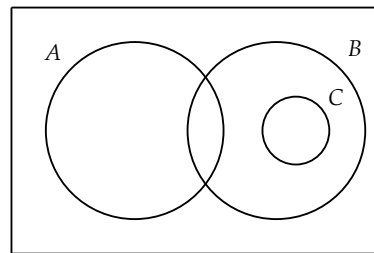
(h) $(A \cap B) \cup (B \cap C)$.



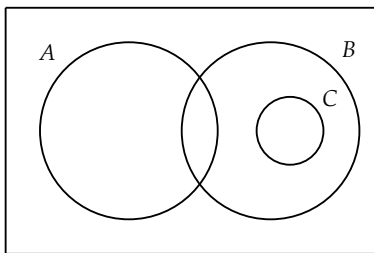
(d) $A \cap (B \cup C)$.



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



(e) $A' \cap C$.



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

