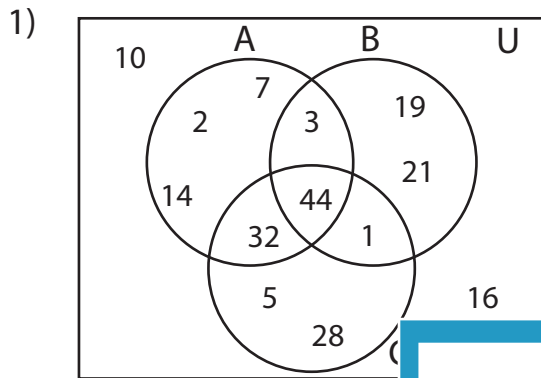


Venn Diagram

L3S3

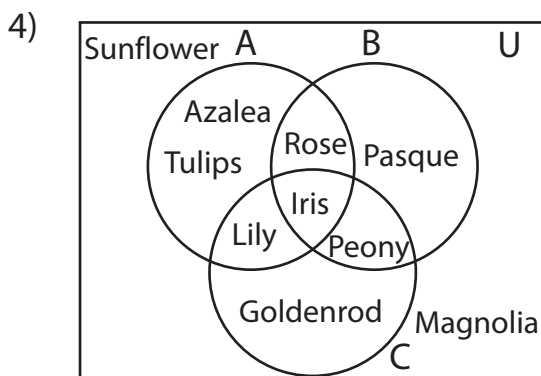
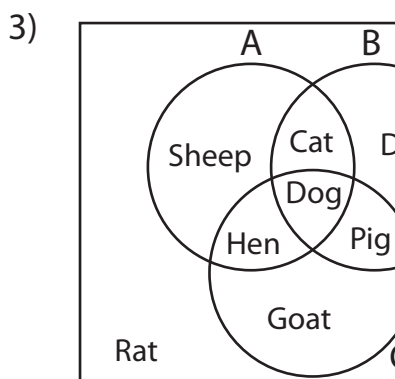
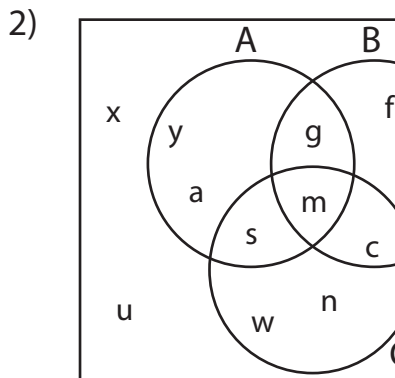
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(B \cap C)' \cup C =$ _____

ii) $(B' - C)' \cup (A' \cup C) =$ _____

iii) $C \cap (A \cup B) =$ _____



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

ii) $C' - (A - C) =$ _____

iii) $(A - B) \cup C =$ _____

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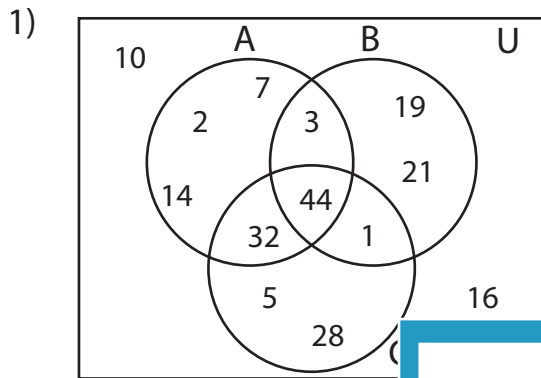
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Answer key

Venn Diagram

L3S3

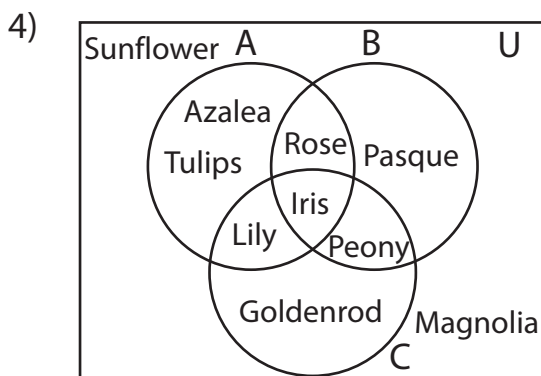
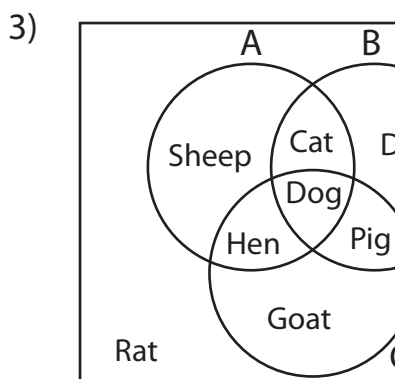
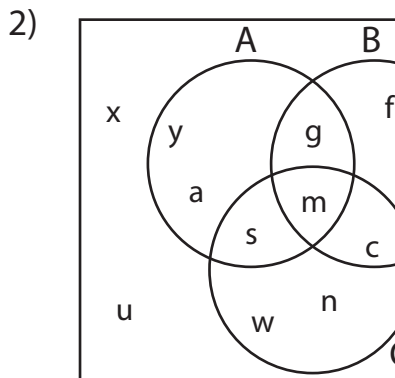
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(B \cap C)' \cup C = \underline{\{1, 2, 5, 7, 10, 14, 16, 28, 32, 44\}}$

ii) $(B' - C)' \cup (A' \cup C) = \underline{\{1, 3, 5, 10, 16, 19, 21, 28, 32, 44\}}$

iii) $C \cap (A \cup B) = \underline{\{1, 3, 1, 44\}}$



i) $A \cap (B' \cap C') = \underline{\{Azalea, Tulips\}}$

ii) $C' - (A - C) = \underline{\{Magnolia, Pasque, Sunflower\}}$

iii) $(A - B) \cup C = \underline{\{Azalea, Goldenrod, Iris, Lily, Peony, Tulips\}}$

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