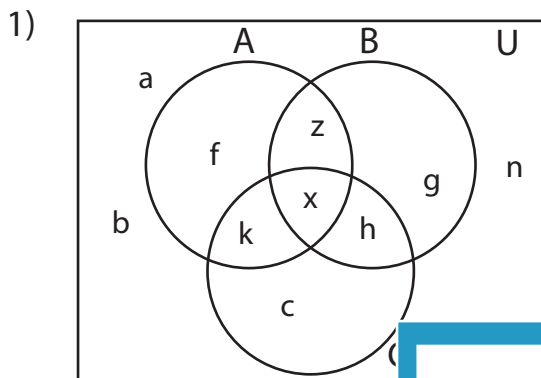


Venn Diagram

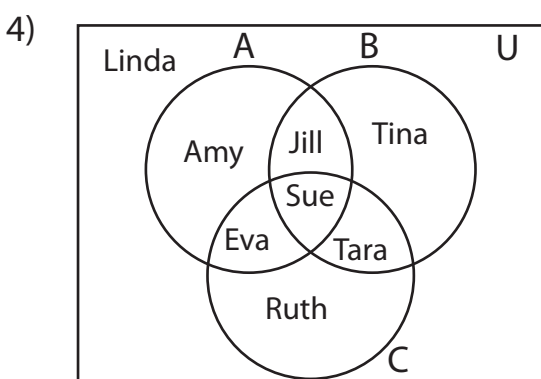
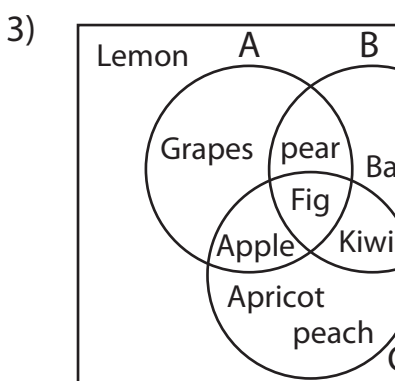
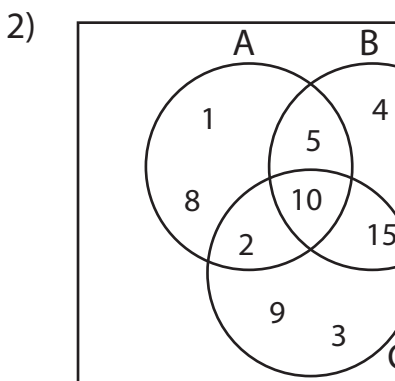
L3S1

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



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

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



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

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

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

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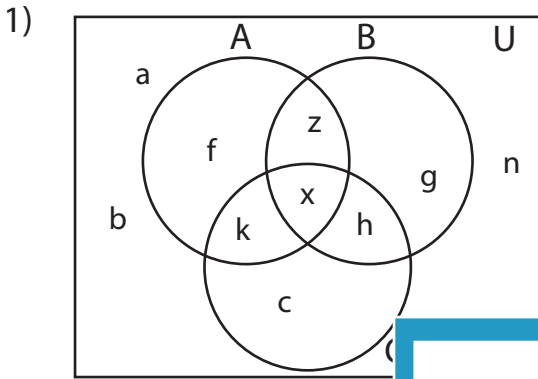
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Answer key

Venn Diagram

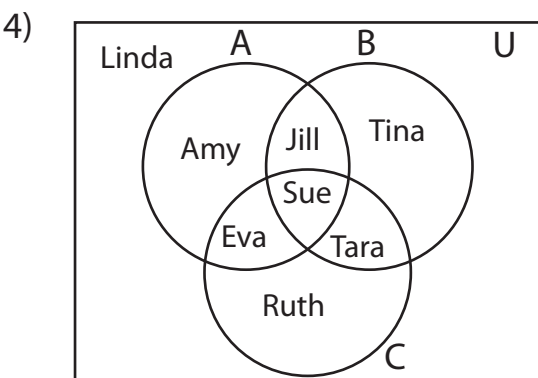
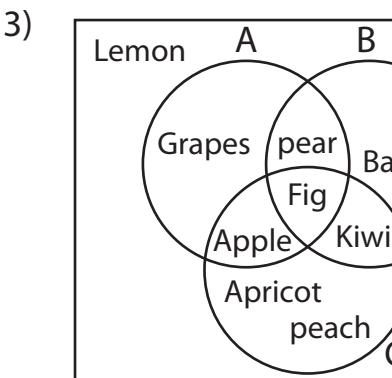
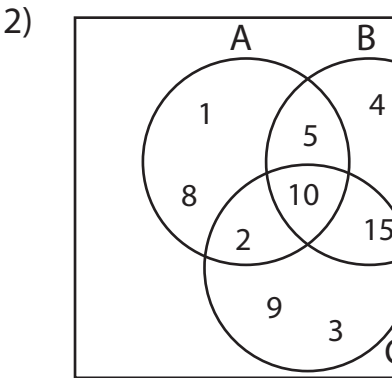
L3S1

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



i) $(B \cup C)' - A' = \underline{\{f\}}$

ii) $(A \cup B) \cup (A' - B) = \underline{\{a, b, c, f, g, h, k, n, x, z\}}$



i) $(A' \cup C') \cap (B - C) = \underline{\{Tara\}}$

ii) $(B \cap C) - A' = \underline{\{Sue\}}$

iii) $(A \cap B)' \cup (A \cup C) = \underline{\{Amy, Eva, Jill, Linda, Ruth, Sue, Tara, Tina\}}$

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), 11, 15}

, 12}

a, Cherry, Fig, Lemon}

ar}

ry, Fig, Kiwi, Lemon, Pear}