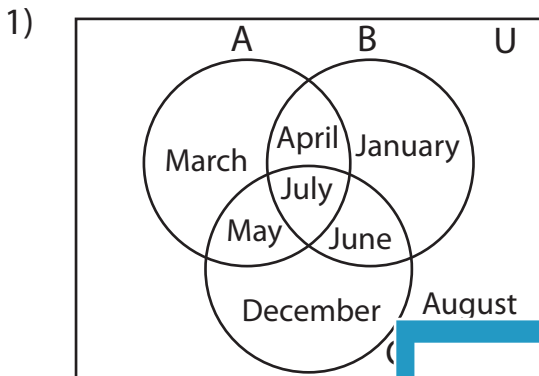


Venn Diagram

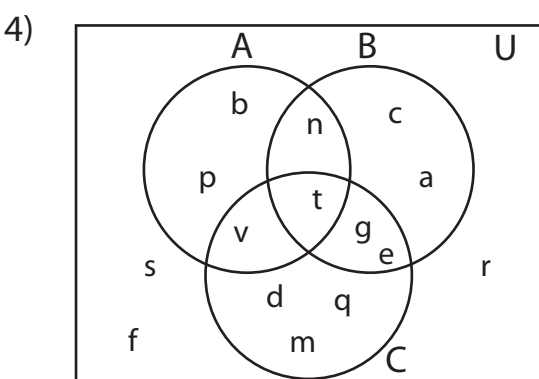
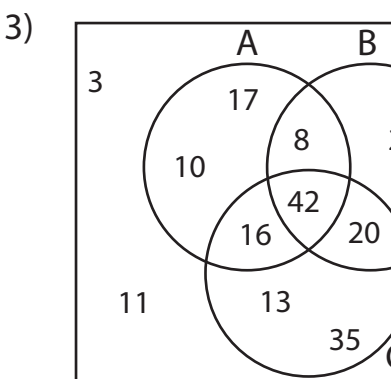
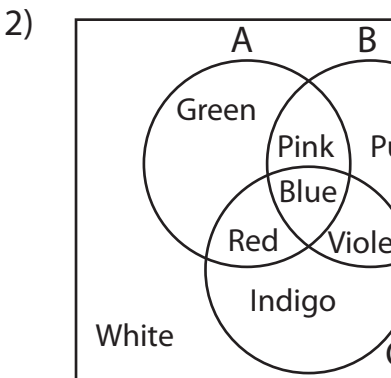
L3S2

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



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

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



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

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

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

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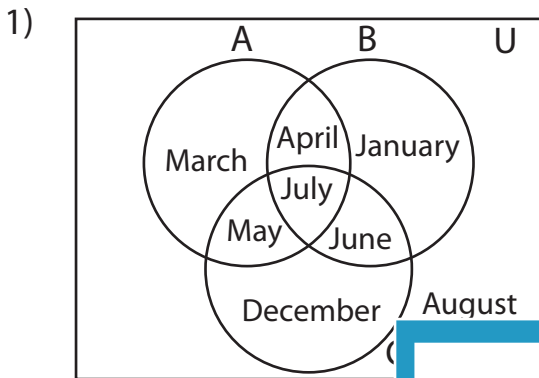
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Answer key

Venn Diagram

L3S2

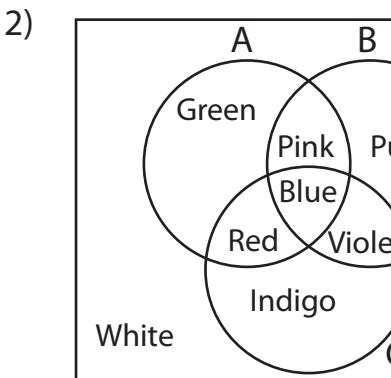
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(A' - B') \cup C = \underline{\text{\{January, May, June, July, December\}}}$

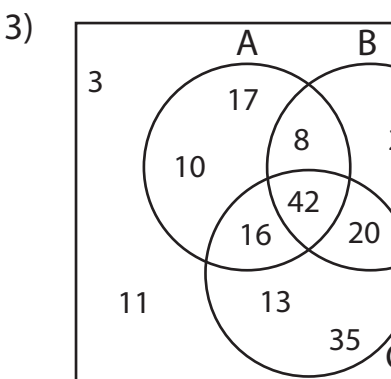
ii) $(C - A) \cap A' = \underline{\text{\{June, December\}}}$

iii) $(B \cup C) \cap (A - C) = \underline{\text{\{March, April, May, July, August, December\}}}$

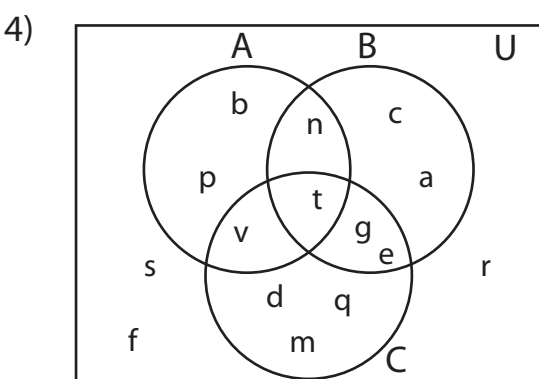


iv) $(A \cup B) \cap C = \underline{\text{\{Pink, Purple, Red, Violet\}}}$

v) $(A - B) \cap (C - A) = \underline{\text{\{White, Indigo, Violet\}}}$



vi) $(A \cup B) \cap C = \underline{\text{\{10, 35\}}}$



i) $(C - A') \cap B = \underline{\text{\{t\}}}$

ii) $(A \cup B') - (A' - C') = \underline{\text{\{b, f, n, p, r, s, t, v\}}}$

iii) $A' \cap (B' - C') = \underline{\text{\{d, m, q\}}}$

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