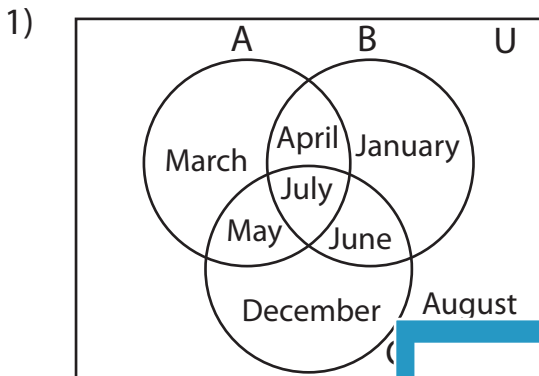


Venn Diagram

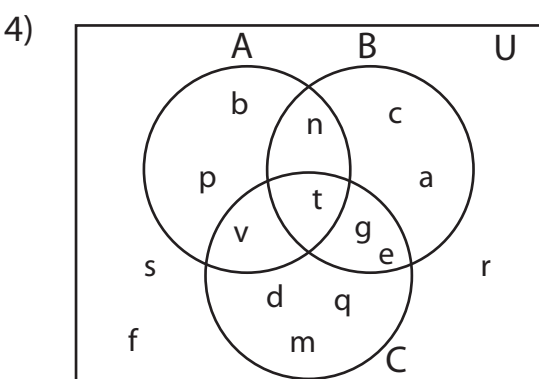
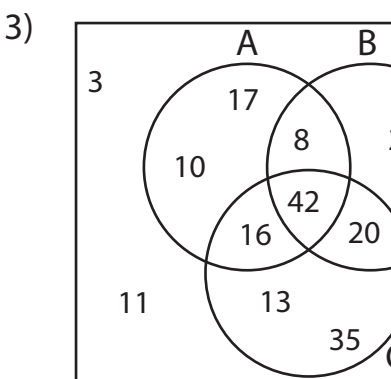
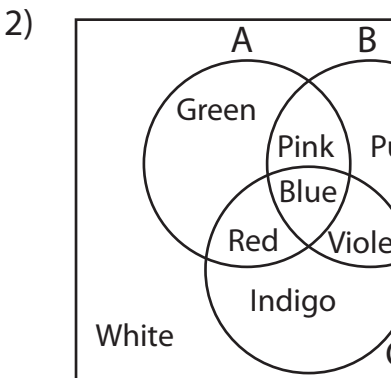
L3S2

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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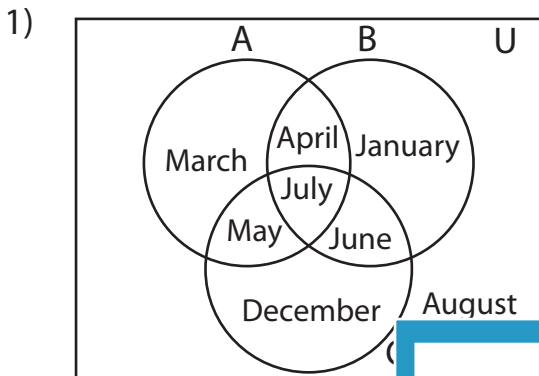
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Answer key

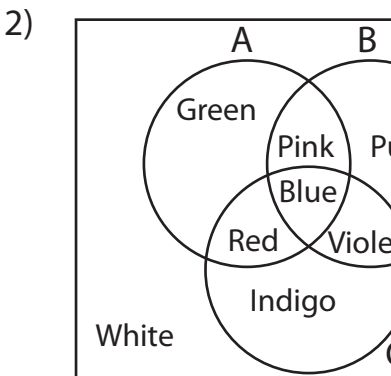
Venn Diagram

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



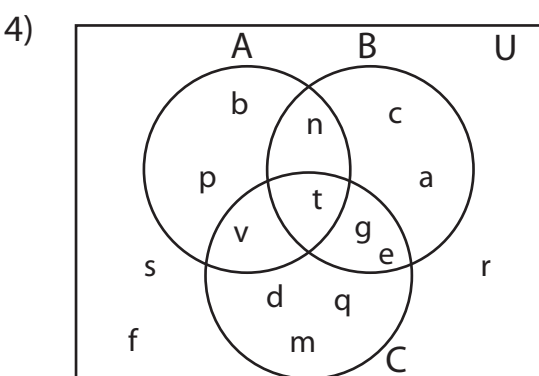
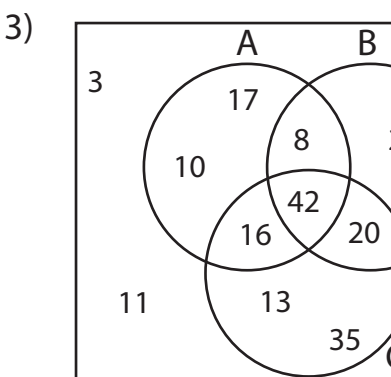
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- i) $(C - A') \cap B = \underline{\text{\{t\}}}$
- ii) $(A \cup B') - (A' - C') = \underline{\text{\{b, f, n, p, r, s, t, v\}}}$
- iii) $A' \cap (B' - C') = \underline{\text{\{d, m, q\}}}$