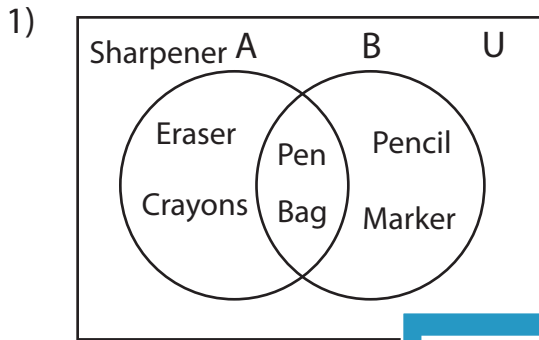


Venn Diagram

L352

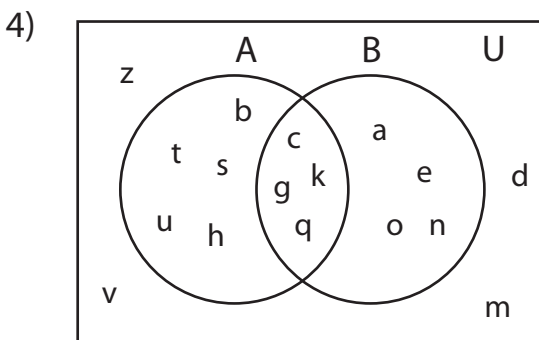
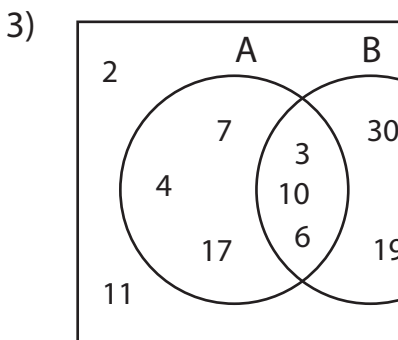
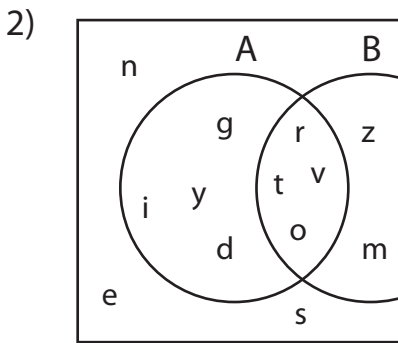
Perform the below mention boolean algebraic operation for the given set of elements.



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

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

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



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

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

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

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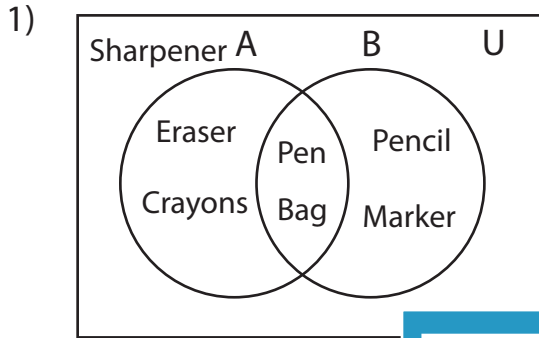
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Answer key

Venn Diagram

L352

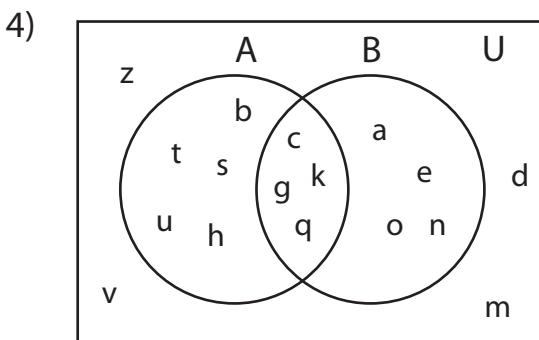
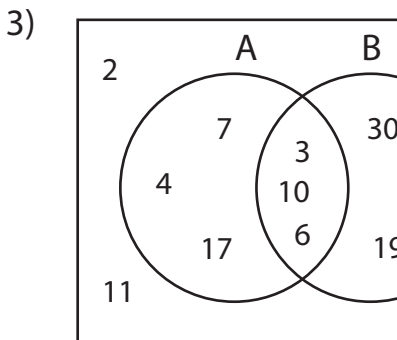
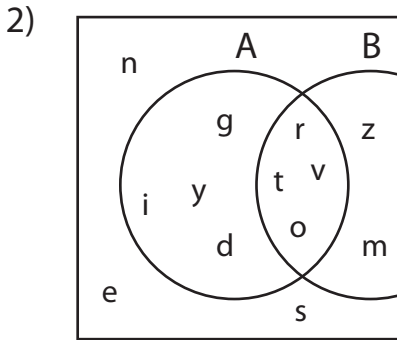
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(A - B) \cup (B - A) = \underline{\text{\{Sharpener, Pen, Bag\}}}$

ii) $(A \cap B)' - (A' \cap B') = \underline{\text{\{Eraser, Crayons, Pencil, Marker\}}}$

iii) $(A' \cup B') \cap (B \cup A)' = \underline{\text{\{Sharpener\}}}$



i) $(B' \cup A) \cap (A - B) = \underline{\text{\{c, g, k, q\}}}$

ii) $(A - B)' - (A' \cap B) = \underline{\text{\{c, d, g, k, m, q, v, z\}}}$

iii) $(B - A') \cup (A' - B) = \underline{\text{\{c, d, g, k, m, q, v, z\}}}$

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_____ **s, t, v}**

_____ **, 25, 30, 40}**

_____ **, 8, 10, 11, 17, 19, 25, 30, 40}**