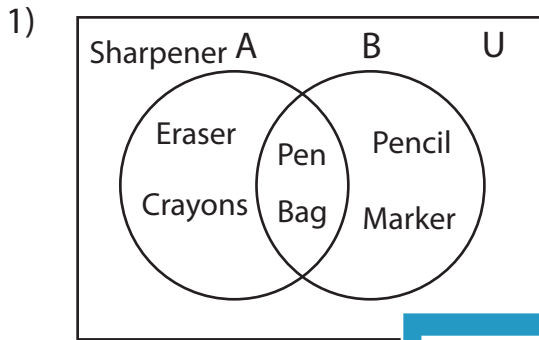


Venn Diagram

L352

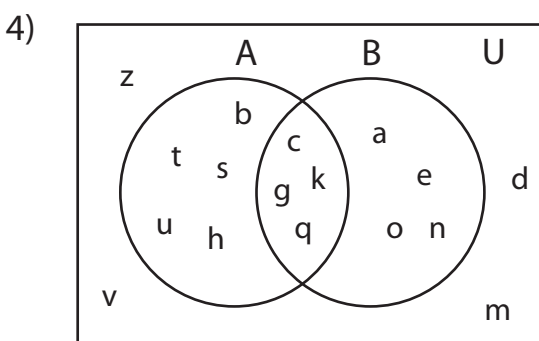
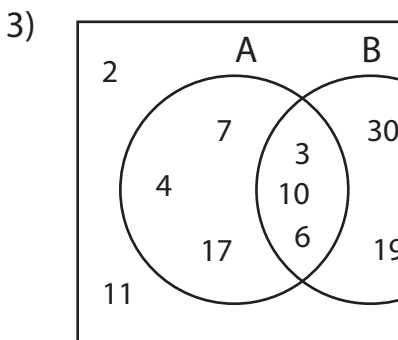
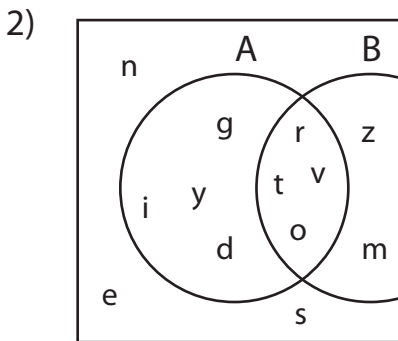
Perform the below mention boolean algebraic operation for the given set of elements.



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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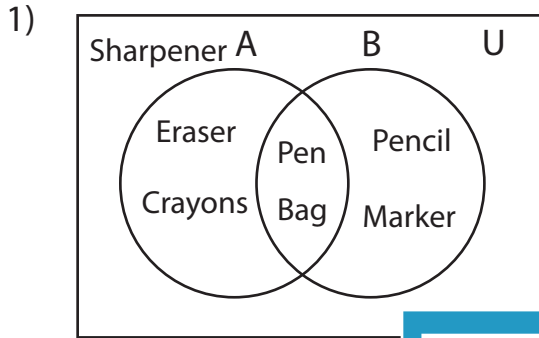
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Answer key

Venn Diagram

L352

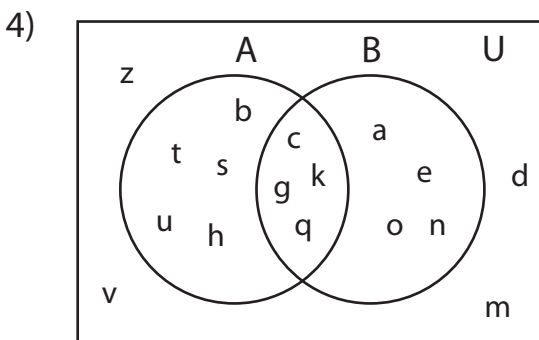
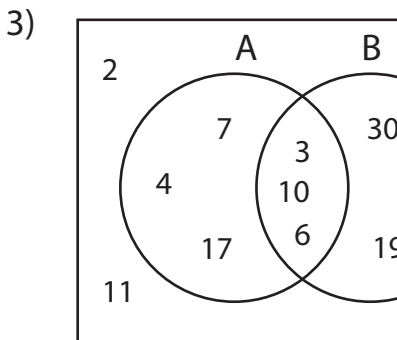
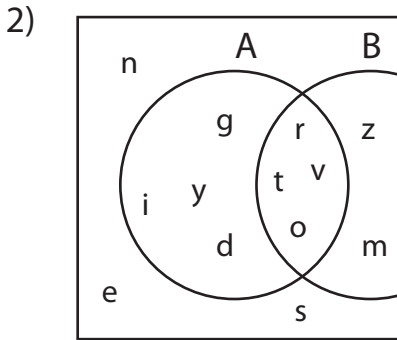
Perform the below mention boolean algebraic operation for the given set of elements.



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

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

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



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

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

iii) $(B - A') \cup (A' - B) =$ {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}