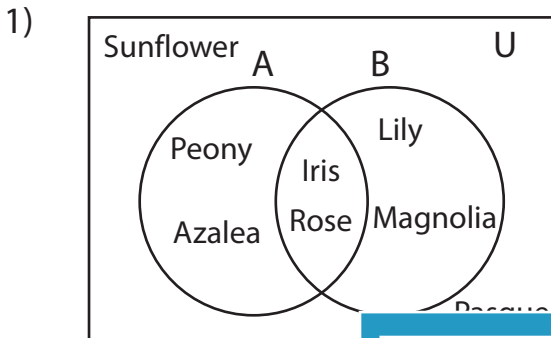


## Venn Diagram

L2S2

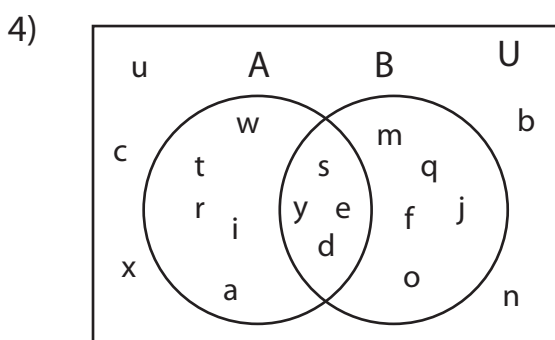
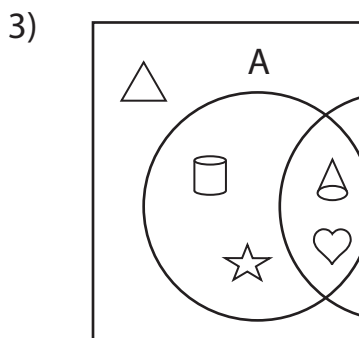
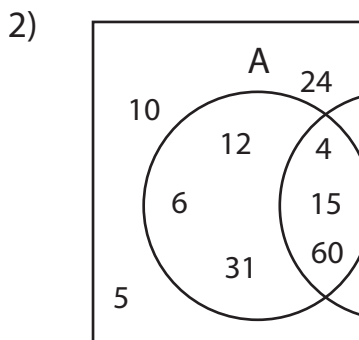
Perform the below mention boolean algebraic operation for the given set of elements.



i)  $(A \cup B)'$  = \_\_\_\_\_

ii)  $B - A'$  = \_\_\_\_\_

iii)  $B - A$  = \_\_\_\_\_



i)  $A - B$  = \_\_\_\_\_

ii)  $A' \cap B$  = \_\_\_\_\_

iii)  $B'$  = \_\_\_\_\_

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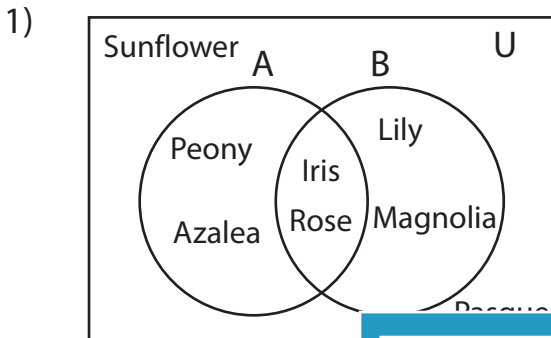
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**Answer key**

**Venn Diagram**

L2S2

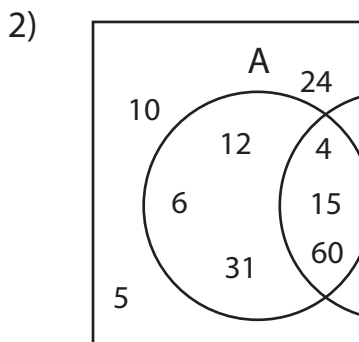
Perform the below mention boolean algebraic operation for the given set of elements.



i)  $(A \cup B)'$  = {Sunflower, Pasque}

ii)  $B - A'$  = {Iris, Rose}

iii)  $B - A$  = {Lily, Magnolia}



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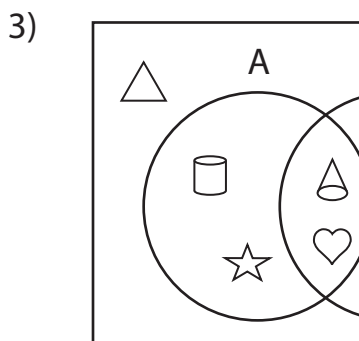
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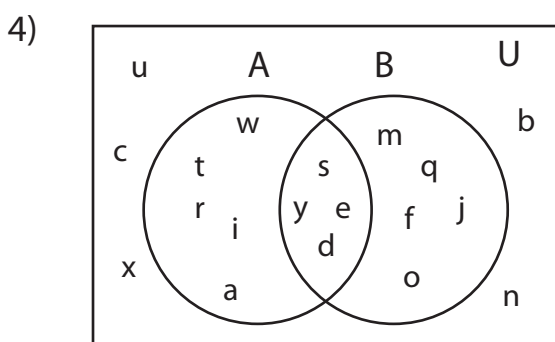
12, 15, 16, 24, 31, 60}

12, 16, 19, 24, 31, 42}



{△, □, △}

{△}



i)  $A - B$  = {a, i, r, t, w}

ii)  $A' \cap B$  = {f, j, m, o, q}

iii)  $B'$  = {a, b, c, i, n, r, t, u, w, x}