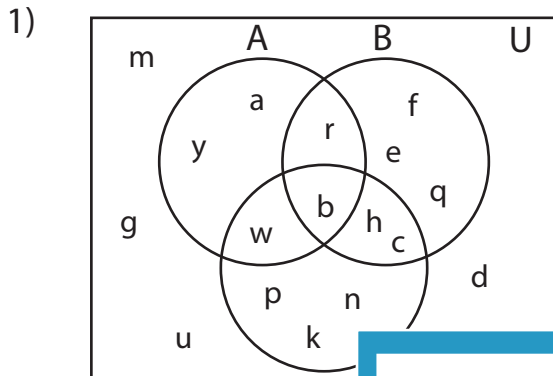


**Venn Diagram**

L1S2

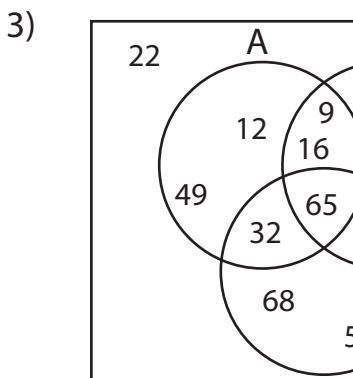
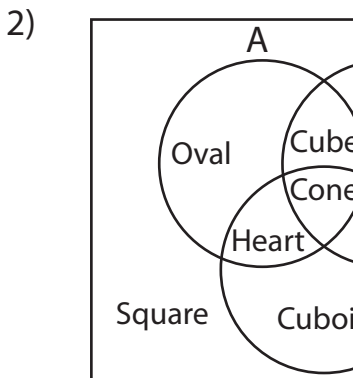
Perform the below mention boolean algebraic operation for the given set of elements.



i)  $B' \cap C =$  \_\_\_\_\_

ii)  $(A \cup C)' =$  \_\_\_\_\_

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



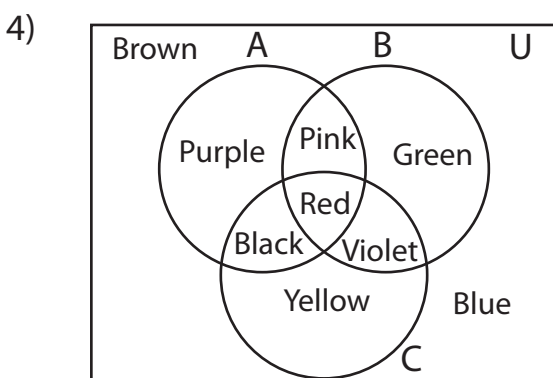
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i)  $(A \cup B)'\prime =$  \_\_\_\_\_

ii)  $C =$  \_\_\_\_\_

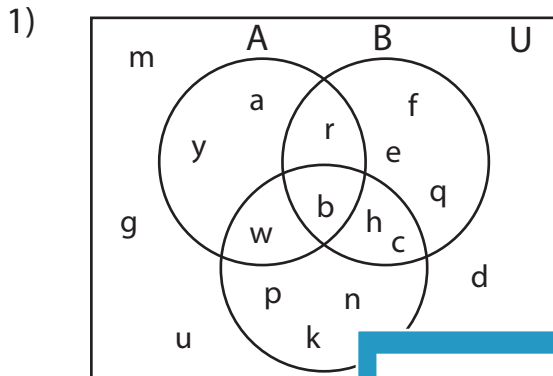
iii)  $B \cap C' =$  \_\_\_\_\_

**Answer key**

**Venn Diagram**

L1S2

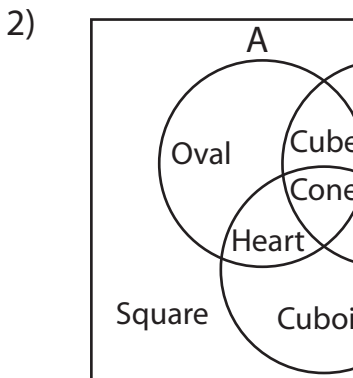
Perform the below mention boolean algebraic operation for the given set of elements.



i)  $B' \cap C = \underline{\{k, n, p, w\}}$

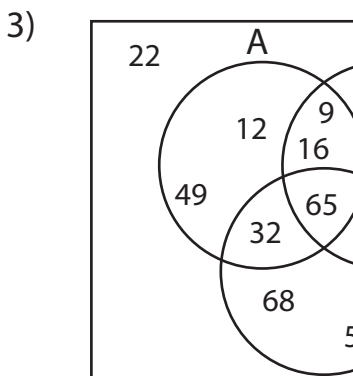
ii)  $(A \cup C)' = \underline{\{d, e, f, g, m, q, u\}}$

iii)  $A' \cup B' = \underline{\{a, c, d, e, f, g, h, k, m, n, p, q, u, w, y\}}$



$\underline{\{er, Square, Star\}}$

$\underline{\{boid, Heart, Oval, Square\}}$



$\underline{\{6\}}$

$\underline{\{2, 54, 65, 68, 96\}}$

$\underline{\{, 21, 22, 32, 49, 54, 68, 96\}}$

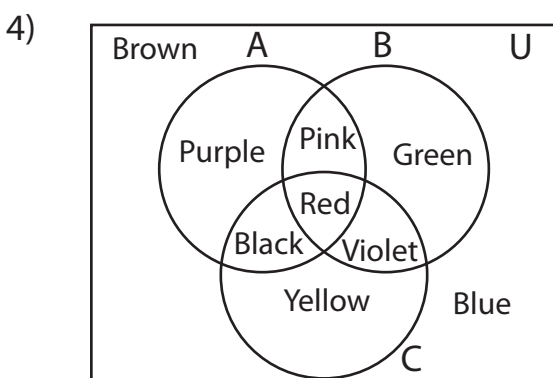
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i)  $(A \cup B)' = \underline{\{Green, Violet\}}$

ii)  $C = \underline{\{Black, Red, Violet, Yellow\}}$

iii)  $B \cap C' = \underline{\{Green, Pink\}}$