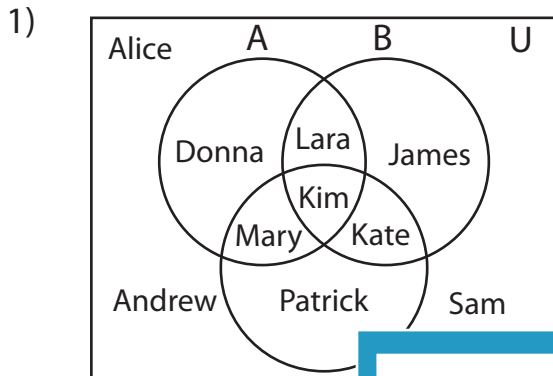


Venn Diagram

L1S3

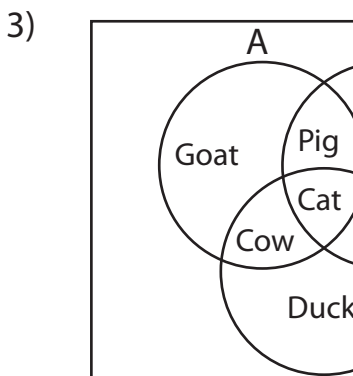
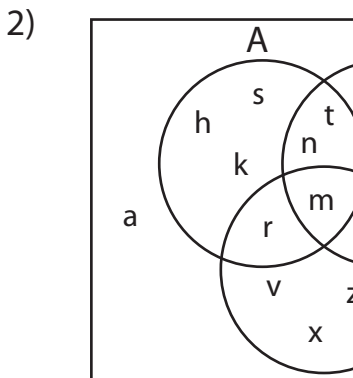
Perform the below mention boolean algebraic operation for the given set of elements.



i) $B =$ _____

ii) $B' \cap C' =$ _____

iii) $A \cup B =$ _____



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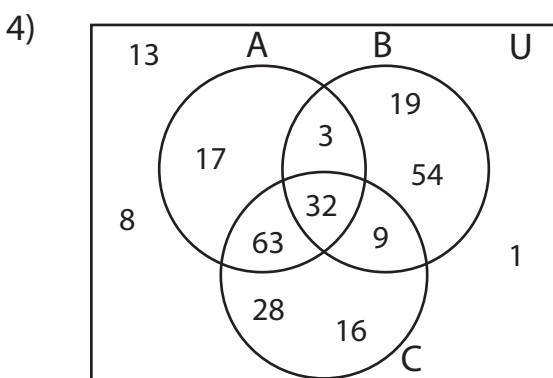
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i) $C' =$ _____

ii) $A \cap B' =$ _____

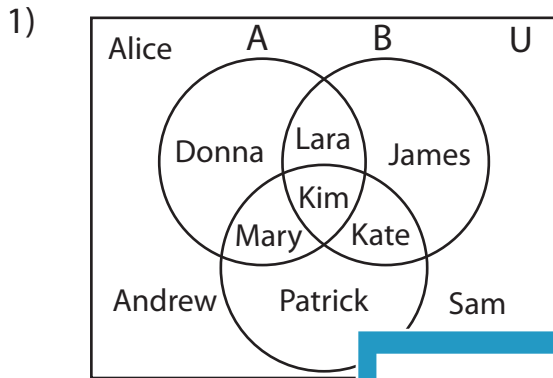
iii) $(B' \cup C)' =$ _____

Answer key

Venn Diagram

L1S3

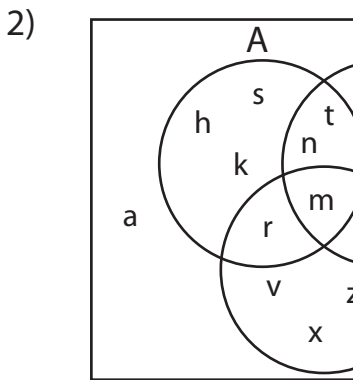
Perform the below mention boolean algebraic operation for the given set of elements.



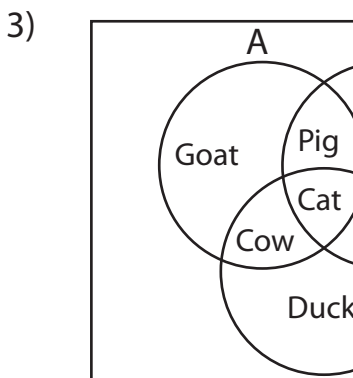
i) $B = \underline{\text{\{James, Kate, Kim, Lara\}}}$

ii) $B' \cap C' = \underline{\text{\{Alice, Andrew, Donna, Sam\}}}$

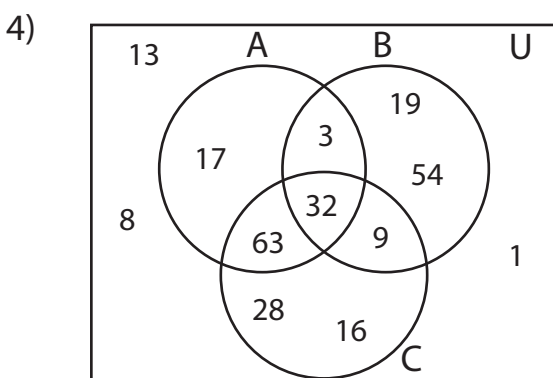
iii) $A \cup B = \underline{\text{\{Donna, James, Kate, Kim, Lara, Mary\}}}$



$r, v, x, z\}$



$\text{\{Duck, Goat, Pig\}}$



i) $C' = \underline{\text{\{1, 3, 8, 13, 17, 19, 54\}}}$

ii) $A \cap B' = \underline{\text{\{17, 63\}}}$

iii) $(B' \cup C)' = \underline{\text{\{3, 19, 54\}}}$

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$\text{\{k, Goat, Hen, Sheep\}}$