Venn Diagram
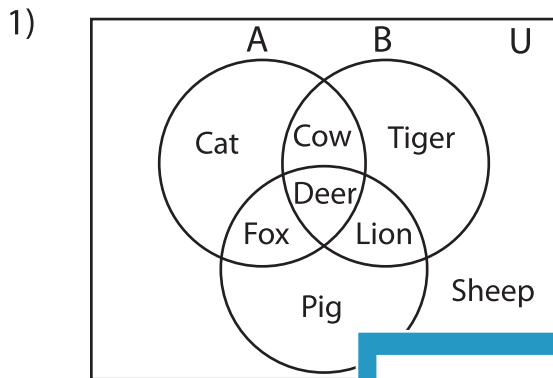
L2S4

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

1)

A   B   U

Cat   Cow   Tiger
Deer
Fox   Lion
Pig   Sheep

i)   A – C   = _____

ii)   A′ – B′   = _____

iii)   (A ∩ C′)′ = _____

2)

A

t   g   f
c   d
a
k   e

3)

A

Black   Gray
Blue
Red
White   Brown
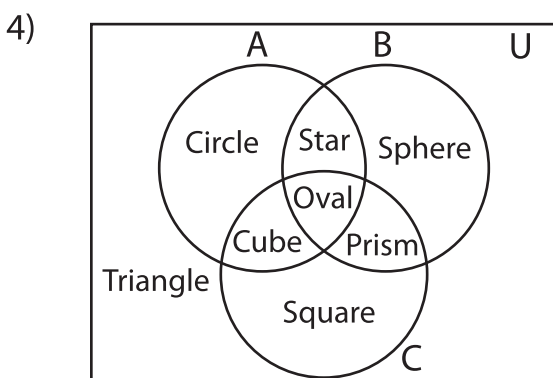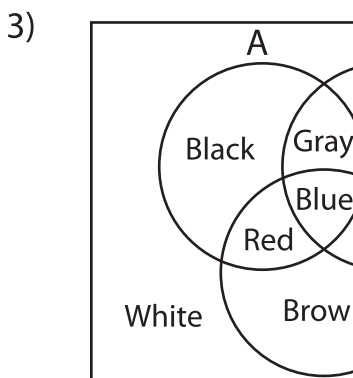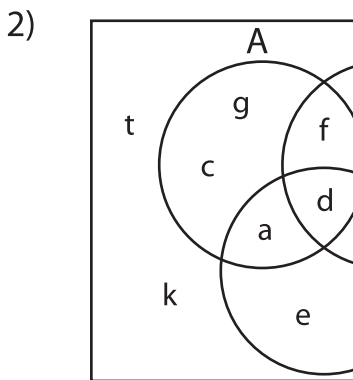
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4)

A   B   U

Circle   Star   Sphere
Oval
Cube   Prism
Triangle   Square
C

i)   (B′ – A)′ = _____

ii)   (C′ – B)′ = _____

iii)   A ∩ C′   = _____