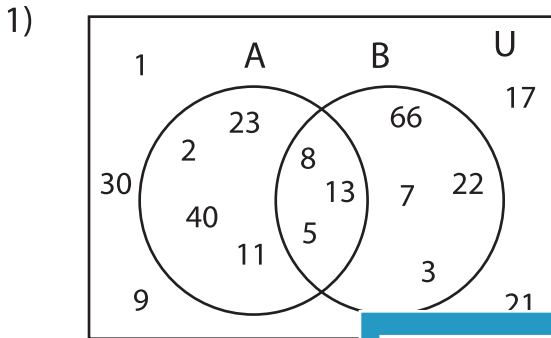## Venn Diagram

L2S1

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

1)

```
1        A        B        U
      23      66           17
   2       8
30      13    7    22
   40      5
      11
   9            3
                    21
```

i)   A   = _____

ii) A' U B   = _____

iii) (B' – A)' = _____

2)

```
a        A
o      b  q      x
      f  k    c  g
         z      j
m
```

3)

```
         A
   16        10
     30    19
4  44
   3        7
```

4)

```
Red    A        B        U
     Green    Indigo
          Black
     Yellow White  Violet
                Blue
Orange
```
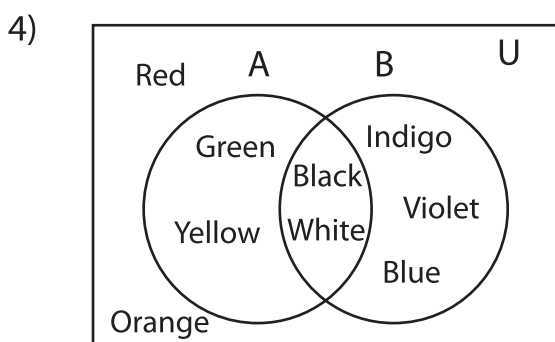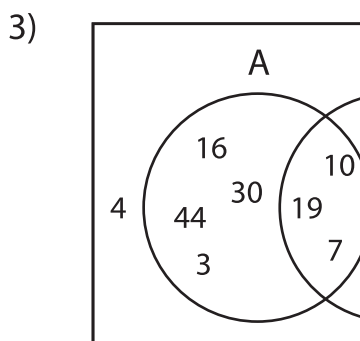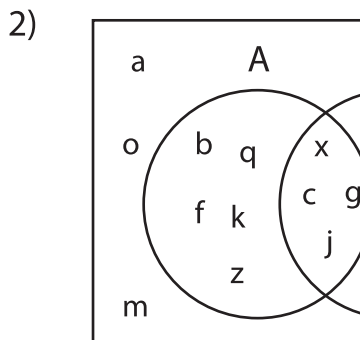
i)   A' ∩ B' = _____

ii) B – A   = _____

iii) A – B'   = _____

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