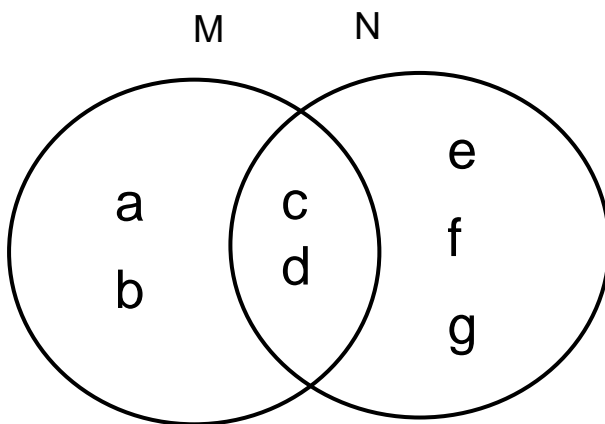


Listing elements and finding numbers of members of sets.

Example I



i) Find

a)  $P^1$  (means without members of set P)

$$P^1 = \{e, f, g\}$$

b)  $P - M$  (means P only)

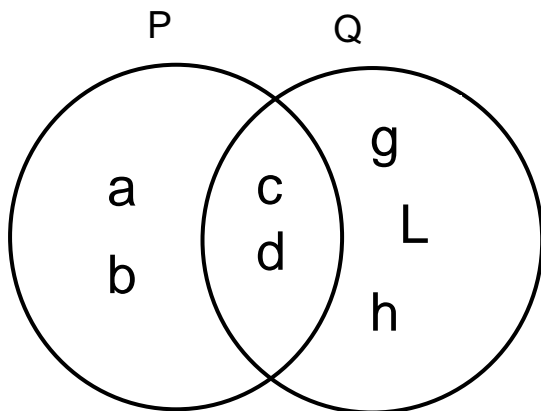
$$P - M = \{a, b\}$$

c)  $\cap (P \cap M)^1 = \{a, b, e, f, g\}$

$$= 5$$

Activity

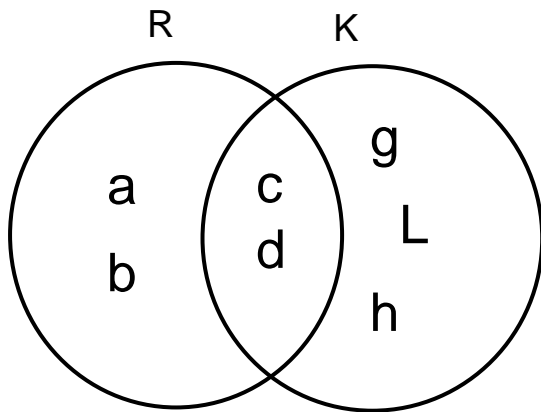
1.



a) List the members in;

- i) Set A
- ii) Set B
- iii)  $A \cap B$
- iv)  $A^c$
- v)  $B^c$

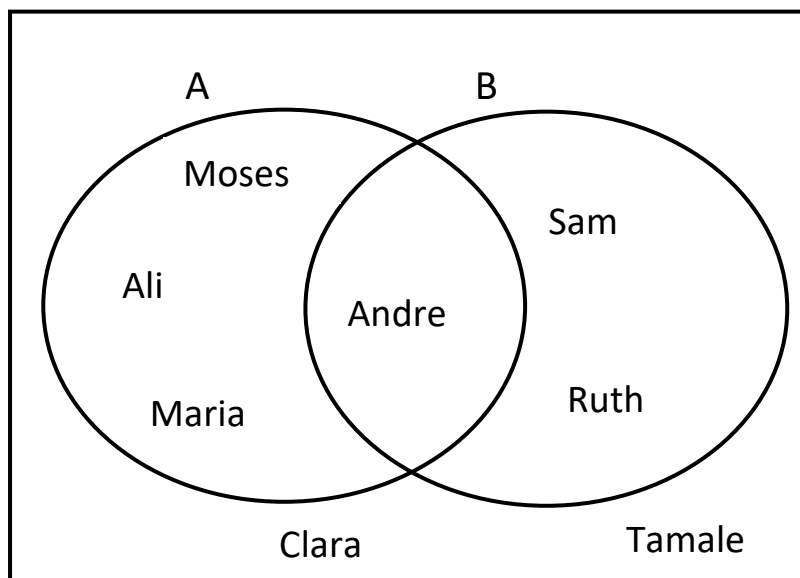
2.



Find

- a)  $\cap(R)$
- b)  $\cap(K)$
- c)  $\cap(R \cap K)$
- d)  $\cap(K^c)$
- e)  $\cap(R^c)$
- f)  $\cap(K \cup R)$

3.



Find

- i)  $A - B$
- ii)  $B - A$
- iii)  $\cap(A \cap B)^c$
- iv)  $\cap(A \cup B)^c$