

Homework

Ex-10CD)

1. (i) Infinite
(ii) Infinite

- (iii) finite
(iv) finite

2. (i) $A = \{ \}$

\therefore Empty.

(ii) $A = \{ 9, 11, 13, 15, 17 \}$

\therefore , not empty.

(iii) $B = \{ \}$

\therefore , Empty.

(iv) $B = \{ \}$

\therefore , Empty

(v) $B = \{0\}$
 \therefore , not empty.

3. (i) Equal sets
(ii) Equivalent sets
(iii) Equal sets
(iv) Equivalent sets

4. (i) Infinite set
(ii) Infinite set
(iii) Infinite set
(iv) ~~Infinite set~~ finite set
(v) Infinite set
(vi) finite set
(vii) finite set
(viii) Infinite set
(ix) Infinite set
(x) ~~finite set~~
(xi) Infinite set

Ex - 10CE)

1. (i) $n(A) = 10$
(ii) $n(B) = 4$
(iii) $n(C) = 4$
(iv) $n(D) = 0$

~~1:~~ (i) False

(ii) True

(iii)

2: (i) False

(ii) True

(iii) True

(iv) False