

Exercise 10 (E)

① Write the cardinal number of each of the following sets

i) $A = \{0, 1, 2, 4\}$

Ans The cardinal number is 4.

ii) ~~$B = \{2, -1, 1, 3, 5, 7\}$~~ $B = \{-3, -1, 1, 3, 5, 7\}$

Ans The cardinal no. is 6.

iii) $C = \{ \}$

Ans The cardinal no. is 0.

iv) Ans The cardinal no. is 3.

v) Ans The cardinal no. is 4.

vi) Ans The cardinal no. is 7.

(2) Given: i) $n(A)$

Ans 9

ii) $n(B)$

Ans 4 is the cardinal no.

iii) $n(C)$

Ans 4

iv) $n(D)$

Ans 0

(3) State true or false for each of the following.
Correct the wrong statement.

i) If $A = \{0\}$, then $n(A) = 0$
Ans False = $n(A) = 1$

ii) Ans False = $n(\emptyset) = 0$

iii) Ans True

iv) Ans False, $n(B) = 4$