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Date
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EXERCISE 10(D)

1. (i) {3, 5, 7, ...} infinite

(ii) {1, 2, 3, 4} finite

(iii) {.... -3, -2, -1, 0, 1, 2} infinite

(iv) {20, 30, 40, 50 .... 200} finite

2. (i) empty

(ii) not empty

(iii) empty

(iv) empty

(v) not empty.

3. (i) equal & equivalent (iii) equal and equivalent

(ii) equivalent (iv) equivalent

4. (i) infinite (v) infinite (ix) infinite

(ii) infinite (vi) infinite (x) infinite

(iii) infinite (vii) finite

(iv) infinite (viii) infinite

EXERCISE 10(B)

2. ~~GIVEN = A = { Natural~~

(i) $n(A) = 9$

(ii) $n(B) = 4$

(iii) $n(C) = 4$

(iv) $n(D) = 0$

3. (i) If $A = \{0\}$, then $n(A) = 0$. (F)
ANS: If $A = \{0\}$, then $n(A) = 1$.

(ii) $n(\emptyset) = 1$. (F)
ANS: $n\{\emptyset\} = 1$

(iii) If $T = \{a, 1, a, h, b, d, h\}$; then $n(T) = 5$. (T)

(iv) If $B = \{1, 5, 51, 15, 5, 7\}$; then $n(B) = 6$. (F)
ANS: If $B = \{1, 5, 51, 15, 5, 7\}$; then $n(B) = 4$