Types of sets

Finite set - A set is said to be a finite set, if it has a limited number of elements.

Ex-13 ⓒ

1. (i) 366 (ii) 12 (iii) 7 (iv) 5 (v) 3 (vi) 7 (vii) 5

2. (i) Infinite (ii) ϕ (iii) Finite (iv) Infinite (v) Infinite (vi) ϕ (vii) Infinite (viii) Finite (ix) ϕ (x) Finite

3. (ii) {birds} and {trees} are disjoint sets.

4. (i) Equivalent (ii) Equal (iii) Equivalent (iv) Equivalent (v) None (vi) Equivalent (vii) Equal (viii) Equal (ix) None

5. (i) The set of triangles having three equal sides
(ii) $\{x : x + 3 = 2 \text{ and } x \in N\}$
are the two empty sets.

6. (i) True (ii) True (iii) False (iv) True (v) False (vi) False (vii) False (viii) False (ix) True (x) True

7. ϕ , $\{\}$