

1. (i) infinite

(ii) Finite

(iii) Infinite

(iv) Finite

2. (i) ✓

(ii) ✗

(iii) ✓

(iv) ✓

(v) ✗

3. (i) Equal

(ii) Equivalent

(iii) Equal

(iv) Equivalent

4. (i) Infinite

(ii) Infinite

(iii) Infinite

(iv) finite

(v) Infinite

(vi) Finite

(vii) Finite

(viii) Infinite

(ix) Infinite

(x) Infinite

5. (i) Not empty

(ii) Empty

(iii) Empty

(iv) Not empty

(v) Not empty

(vi) Empty

(vii) Not Empty