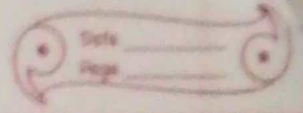


14/7/21
HW.

Exercise: 10 (D)



1. i) Infinite (ii) finite (iii) Infinite (iv) finite

2. i) ~~empty~~ Sets of counting numbers between 5 and 6. (empty)

(iii) set of odd numbers between 7 and 9. ~~empty~~ (empty)

iv) Set of even numbers that are not divisible by 2. (empty)

3. i) $\{3, 5, 7\} \in \{5, 3, 7\}$ (ii) $\{8, 6, 10, 12\} \in \{2, 4, 6\}$

iii) $\{7, 2, 1, 2\} \in \{1, 2, 7\}$ (iv) $\{2, 4, 6, 8, 10\} \in \{a, b, d, m\}$

4. i) Infinite (ii) Infinite (iii) Infinite (iv) finite

v) Infinite (vi) finite (vii) finite (viii) Infinite

ix) Infinite (x) Infinite

5. i) No (ii) Empty (iii) Empty (iv) No (v) No (vi) Empty

vii) No Empty