

EXERCISE 6 (A)

i) $A = (4, 5, 6)$, $B = (0, 1, 2, 3)$

ii) $(0, 1, 2, 3, 4, 5, 6)$

iii) \emptyset

iv) $(4, 5, 6)$

v) $(0, 1, 2, 3)$

2 (i) $D_{10} = \{1, 2, 3, 4, 5, 6, 7\}$

and $\{1, 2, 3, 4, 5, 6, 7, 8\}$

ii) no

3 (i) $(4, 5, 6, 7, 8, 9)$ and

~~(4, 5, 6)~~ $(1, 2, 3, 4, 5, 6, 7, 8, 9)$

ii) $(1, 2, 3, 4, 5, 6, 7)$ and

$(1, 2, 3, 4, 5, 6, 7, 8, 9)$