

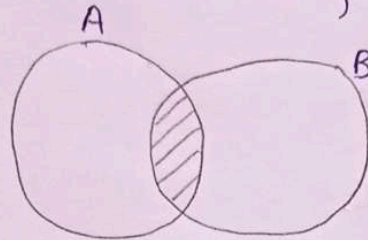
Sets

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

$$B = \{3, 4, 5, 6, 7\}$$

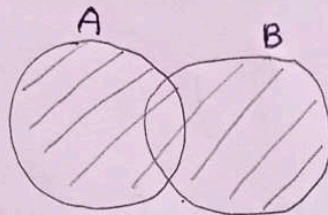
① Intersection

$$A \cap B = \{3, 4, 5, 6, 7\}$$



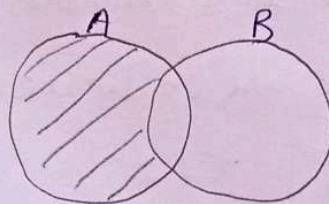
② Union

$$A \cup B = \{1, 2, 3, 4, 5, 6, 7, 8\}$$



③ Difference

$$A - B = \{1, 2, 8\}$$



④ Subset

$$A \rightarrow B \Rightarrow \text{False}$$

Is A subset of B?

$$B \rightarrow A \Rightarrow \text{True}$$

Is B subset of A?

⑤ Superset

$A \longrightarrow B \implies \text{True}$

Is A superset of B?

$B \longrightarrow A \implies \text{False}$

Is B superset of A?