

- SET
- Mathematical induction
- Relation
- Binary operations
- Show that- $(P \cap Q) \times (R \cap S) = (P \times R) \cap (Q \times S)$
- prove that - $(A \cap B) \times (C \cap D) = (A \times C) \cap (B \times D)$
- Prove that- $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
- prove that- $A \times (B \cap C) = (A \times B) \cap (A \times C)$
- Binary operations
- Group
- Algebraic structure
- Show that $\{\dots, -4, -3, -2, -1, 0, 1, 2, 3, 4, \dots\}$ is group
- Show that $a * b = b * a$
- if $a * c = c * a$ and $b * c = c * b$, then $(a * b) * c = c * (a * b)$

A list of Video lectures

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