# Logic and Set Theory

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Logic and set theory form the foundation of modern mathematics, providing the basic language and concepts upon which all other mathematical theories are built.

# **Core Concepts**

# **Set Theory Basics**

• Definition: Set

• Definition: Element and Membership (coming soon)

• Definition: Subset (coming soon)

• Definition: Union and Intersection (coming soon)

#### Logic Fundamentals

Coming soon...

## **Axiomatic Set Theory**

Coming soon...

## **Model Theory**

Coming soon...

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Note

Content is being actively developed. Check back frequently for updates.