Thinking Mathematically
Set Operations and Venn Diagrams with Three Sets

Venn Diagrams - Three Sets

Region I: In \( A \) but not in \( B \) or \( C \)
Region II: In \( A \) and \( B \) but not in \( C \)
Region III: In \( B \) but not in \( A \) or \( C \)
Region IV: In \( A \) and \( C \) but not in \( B \)
Region V: In \( A \) and \( B \) and \( C \)
Region VI: In \( B \) and \( C \) but not in \( A \)
Region VII: In \( C \) but not in \( A \) or \( B \)
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