

IB Math SL 11: TERM 1 TOPIC LIST

Quest 1 (Fundamentals)

- Lesson 1: Real number system & Set Notation
- Lesson 2: Radicals
- Lesson 3: Exponent Rules & Scientific Notation
- Lesson 4: Linear Functions, Distance, Slope & Midpoint
- Lesson 5: Algebraic Expressions & Factoring

Quest 2 (Quadratic Functions):

- Lesson 1: Vertex Form of a Quadratic Function
- Lesson 2: Completing the Square
- Lesson 3: General Form & Quadratic Applications
- Lesson 4: Factored Form & Zeros

Quest 3 (Quadratic Equations):

- Lesson 1: Solving Quadratic Equations by Factoring & Graphing
- Lesson 2: Solving Quadratic Equations by Completing the Square
- Lesson 3: Quadratic Formula & the Discriminant

Quest 4 (Composite, Inverse & Polynomial Functions):

- Lesson 1: Composition of Functions
- Lesson 2: Inverse Functions
- Lesson 3: Character of Polynomials
- Lesson 4: Remainder Theorem & Polynomial Division
- Lesson 5: Factor Theorem & Rational Root Theorem