MathConcept College
高中教室

DSE 全方位課程 Video Lecture 課題表 (中四)

Section 1 - Complex Numbers & Quadratic Equations

1. Number System and Surds	4. Application of Quadratic Equations
2. Complex Numbers	5. Nature of Roots of Quadratic Equations
3. Quadratic Equations in One Unknown	6. Relations between Roots and Coefficients

Section 2 - Functions & Equations of Straight Lines

1. Introduction to Functions	4. Application of Quadratic Functions
2. Graphs of Linear and Quadratic Functions	5. Introduction to Coordinate Geometry
3. Extremum of Quadratic Functions	6. Equations of Straight Lines

Section 3 – Exponentials & Logarithms

1. Laws of Rational Indices	4. Graphs of Logarithmic Functions
2. Exponential Functions	5. Logarithmic Equations
3. Introduction to Logarithmic Functions	6. Applications of Logarithms

Section 4 - Polynomials & Variations

1. Polynomials	4. Rational Functions
2. Remainder Theorem and Factor Theorem	5. Direct and Inverse Variations
3. H.C.F. and L.C.M.	6. Joint and Partial Variations

Section 5 – Transformations of Functions & Inequalities

1. Simultaneous Equations	4. Compound Linear Inequalities in 1 Unknown
2. Transformation of Equations	5. Quadratic Inequalities in 1 Unknown
3. Transformation of Graph of Functions	6. Application of Quadratic Inequalities

Section 6 - Trigonometry

1. Trigonometric Ratios of Acute Angles	4. Trigonometric Identities
2. Trigonometric Ratios of Any Angles	5. Graphs of Trigonometric Functions
3. Reference Angles	6. Trigonometric Equations