

# Higher GCSE Maths Topics

## 1. Number and Proportion

- Basic calculation skills
- Proportional reasoning
- Procedural work on standard form, HCF and LCM, negative and fractional indices, surd manipulation, expressing recurring decimals as fractions, using a calculator and error intervals
- Crossover between lower and upper bound calculations and compound measures

## 2. Algebra

- Basic Algebra skills
- Application of linear and quadratic equations and inequalities to a variety of contexts, particularly perimeter, area and volume
- Basic graph skills, equation of a straight line, drawing graphs and estimating solutions from a graph
- Procedural work within sequences and functions, such as quadratic nth term, inverse and composite functions
- Simultaneous equations
- Gradients and areas, particularly using speed-time and distance-time graphs

## 3. Shape

- Perimeter, area and volume
- Compound measures particularly speed and density
- Pythagoras and trigonometry
- Clear mathematical reasoning for 2D shape and angle problems

## 4. Probability and Statistics

- Procedural work on combinations, Venn diagrams, tree diagrams.
- Presenting data
- Estimating the mean and calculating averages and range from charts and graphs,



# Topics In Higher Analysis

**G Psacharopoulos**



## Topics In Higher Analysis:

**Topics in higher analysis** Harold K. Crowder, Sidney Wilcox McCuskey, **Topics in Higher Analysis [by] Harold K. Crowder [and] S.W. McCuskey** Harold K. Crowder, 1964 *Bulletin of the American Mathematical Society* American Mathematical Society, 1901 **Proceedings of the 1992 Academy of Marketing Science (AMS) Annual Conference** Victoria L. Crittenden, 2015-03-13 This volume includes the full proceedings from the 1992 Academy of Marketing Science AMS Annual Conference held in San Diego California The research and presentations offered in this volume cover many aspects of marketing science including marketing strategy consumer behavior international marketing retailing marketing education among others Founded in 1971 the Academy of Marketing Science is an international organization dedicated to promoting timely explorations of phenomena related to the science of marketing in theory research and practice Among its services to members and the community at large the Academy offers conferences congresses and symposia that attract delegates from around the world Presentations from these events are published in this Proceedings series which offers a comprehensive archive of volumes reflecting the evolution of the field Volumes deliver cutting edge research and insights complimenting the Academy's flagship journals the Journal of the Academy of Marketing Science JAMS and AMS Review Volumes are edited by leading scholars and practitioners across a wide range of subject areas in marketing science

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