# **Engineering Drawing Problem Series 1**

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1 sets 2 relations and functions 3 trigonometric functions 4 principle of mathematical induction 5 complex numbers and quadratic equations 6 linear inequalities 7 permutations and combinations 8 binomial theorem 9 sequences and series 10 straight lines 11 conic sections 12 introduction to three dimensional geometry 13 limits and derivatives 14 mathematical reasoning 15 statistics 16 probability

highly recommended for iit jee and olympiads 1000 problems with solutions and 100 articles this book collects together the problems set out at end of each chapter in the author s textbook of plane trigonometry along with the possible solutions which are linked with an explanation of the sort of reasoning used in order to arrive at one of the answers in many cases several answers are given for one question the result is a book which can be used independently of the main volume this book helps in acquiring a better understanding of the basic principles of plane trigonometry and in revising a large amount of the subject matter quickly it is also to be noticed that each example or problem is here enunciated at the head of its solution as well as all the relevant articles are part of the appendix so that the book though a fitting companion to the textbook is not inseparable from it but may be used as a book of exercises with any other treatise on plane trigonometry we are grateful for this opportunity to put the materials into a consistent format and to correct errors in the original publication that have come to our attention we are highly indebted to chandra shekhar kumar for the fruitful discussions which led to the idea of masterminding this entire project he helped us put hundreds of pages of typographically difficult material into a consistent digital format the process of compiling this book has given us an incentive to improve the

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