

# CONTENTS

Preface to the American Edition	v
Suggestions for Using the Book	vii
Problems	3
I. Points and Lines	3
II. Lattices of Points in the Plane	5
III. Topology	7
IV. A Property of the Reciprocals of Integers	11
V. Convex Polygons	11
VI. Some Properties of Sequences of Integers	12
VII. Distribution of Objects	13
VIII. Nondecimal Counting	13
IX. Polynomials with Minimum Deviation from Zero (Tchebychev Polynomials)	20
X. Four Formulas for $\pi$	22
XI. The Calculation of Areas of Regions Bounded by Curves	25
XII. Some Remarkable Limits	33
XIII. The Theory of Primes	38
Solutions	45
Hints and Answers	199
Bibliography	213