

SCHAUM'S
outlines

SET THEORY AND RELATED TOPICS

Second Edition

SEYMOUR LIPSCHUTZ

Use this book with any text or as a self-study guide

Teaches effective problem-solving

530 problems and worked solutions

Covers functions, relations,
cardinal and ordinal numbers,
transfinite induction, Zorn's lemma,
algebra of propositions,
Boolean algebra

MORE THAN
30 MILLION
SCHAUM'S
OUTLINES
SOLD

Use with these courses: Finite Mathematics Modern Mathematics Advanced Calculus
 Probability Real Variables Discrete Mathematics

SEYMOUR LIPSCHUTZ, who is presently on the mathematics faculty of Temple University, formerly taught at the Polytechnic Institute of Brooklyn and was visiting professor in the Computer Science Department of Brooklyn College. He received his Ph.D. in 1960 at the Courant Institute of Mathematical Sciences of New York University. Some of his other books in the Schaum's Outline Series are *Beginning Linear Algebra*; *Discrete Mathematics, 2nd ed.*; *Probability*; and *Linear Algebra, 2nd ed.*

Schaum's Outline of Theory and Problems of
SET THEORY

Copyright ©1998, 1964 by The McGraw-Hill Companies, Inc. All rights reserved. Printed in the United States of America. Except as permitted under the Copyright Act of 1976, no part of this publication may be reproduced or distributed in any forms or by any means, or stored in a data base or retrieval system, without the prior written permission of the publisher.

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 CUS CUS 0 0 9 8 7 6 5

ISBN 0-07-038159-3

Sponsoring Editor: Barbara Gilson
Production Supervisor: Clara Stanley
Editing Supervisor: Maureen B. Walker
Project Supervision: Keyword Publishing Services Ltd

Library of Congress Cataloging-in-Publication Data

Lipschutz, Seymour.

Schaum's outline of theory and problems of set theory and related topics / Seymour Lipschutz. -- 2nd ed.

p. cm. -- (Schaum's outline series)

Includes index.

ISBN 0-07-038159-3

1. Set theory -- Outlines, syllabi, etc. 2. Set theory -- Problems, exercises, etc. I. Title.

QA248.L57 1998

511.3'22 -- dc21

98-8685
CIP

McGraw-Hill

A Division of The McGraw-Hill Companies

