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this is the most current textbook in teaching the basic concepts of abstract algebra the author finds that there are many students who just memorise a theorem without having the ability to apply it to a given problem therefore this is a hands on manual where many typical algebraic problems are provided for students to be able to apply the theorems and to actually practice the methods they have learned each chapter begins with a statement of a major result in group and ring theory followed by problems and solutions contents tools and major results of groups problems in group theory tools and major results of ring theory problems in ring theory index

redesigned for the 11th edition of contemporary abstract algebra student solutions manual for gallian s contemporary abstract algebra written by the author has comprehensive solutions for all odd numbered exercises and a large number of even numbered exercises this manual also offers many alternative solutions to those appearing in the text these will provide the student with a better understanding of the material this is the only available student solutions manual prepared by the author of contemporary abstract algebra eleventh edition and the only official one it is designed to supplement the text and the author s original approach to instruction

a concrete approach to abstract algebra begins with a concrete and thorough examination of familiar objects like integers rational numbers real numbers complex numbers complex conjugation and polynomials in this unique approach the author builds upon these familar objects and then uses them to introduce and motivate advanced concepts in algebra in a manner that is easier to understand for most students the text will be of particular interest to teachers and future teachers as it links abstract algebra to many topics wich arise in courses in algebra geometry trigonometry precalculus and calculus the final four chapters present the more theoretical material needed for graduate study

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