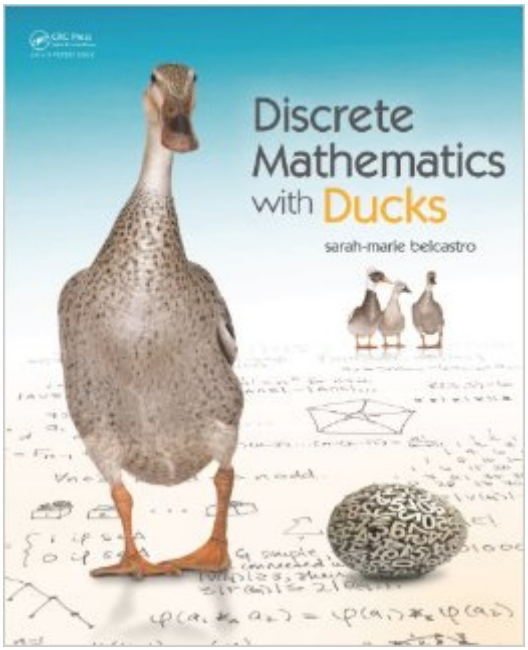
Discrete Mathematics With Ducks



Synopsis

Containing exercises and materials that engage students at all levels, Discrete Mathematics with Ducks presents a gentle introduction for students who find the proofs and abstractions of mathematics challenging. This classroom-tested text uses discrete mathematics as the context for introducing proofwriting. Facilitating effective and active learning, each chapter contains a mixture of discovery activities, expository text, in-class exercises, and homework problems.Elementary exercises at the end of each expository section prompt students to review the materialTry This! sections encourage students to construct fundamental components of the concepts, theorems, and proofs discussed.Sets of discovery problems and illustrative examples reinforce learning.Bonus sections can be used for take-home exams, projects, or further studyInstructor Notes sections offer suggestions on how to use the material in each chapterDiscrete Mathematics with Ducks offers students a diverse introduction to the field and a solid foundation for further study in discrete mathematics and complies with SIGCSE guidelines. The book shows how combinatorics and graph theory are used in both computer science and mathematics.

Book Information

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Customer Reviews

This is the worst textbook I have ever had. I had a friend taking discrete math with another instructor using Susanna S. Epp's book and boy was I jealous. All the clear, outlined explanations in Epp's book made me so happy to get some clarity on what Belcastro was trying in vain to explain. Epp's book was organized and followed path building on stuff from previous chapters. It had short self checks in the chapters (DM with Ducks does too, but that's it), and answers to the odd problems in the back. Explanations where given in spaced out, easy to digest chunks. DM with Ducks all examples are crammed together in paragraphs. Epp's proofs look like this blah blah 2 x^2 = 4 blah 3 blah blah 2 blah blah 2 blah blah QEDDM for ducks writes them like this blah blah x^2 = 4 QUACK blah blah blah 2 (giggle, giggle) QUACK blah blah 2 blah blah QEDYou can imagine how frustrating this is when the proofs are complicated and long.You'll find yourself, and I can think of no better term than this, excavating the examples to dig out the logic buried therein. Also the terminology is introduced in the same manner, new symbols and terms are just imbedded in seas of text, so if you need to quickly go back and refer to something, or refresh your knowledge, you can't. This is just a terrible and scatterbrained text.DM with Ducks?! How bout less Ducks and more organization and examples? No solutions to the odd problems in the back? C'mon, ESPECIALLY with a class like this, you need to know if you're doing the problems correctly.

Discrete Mathematics, 7th Edition