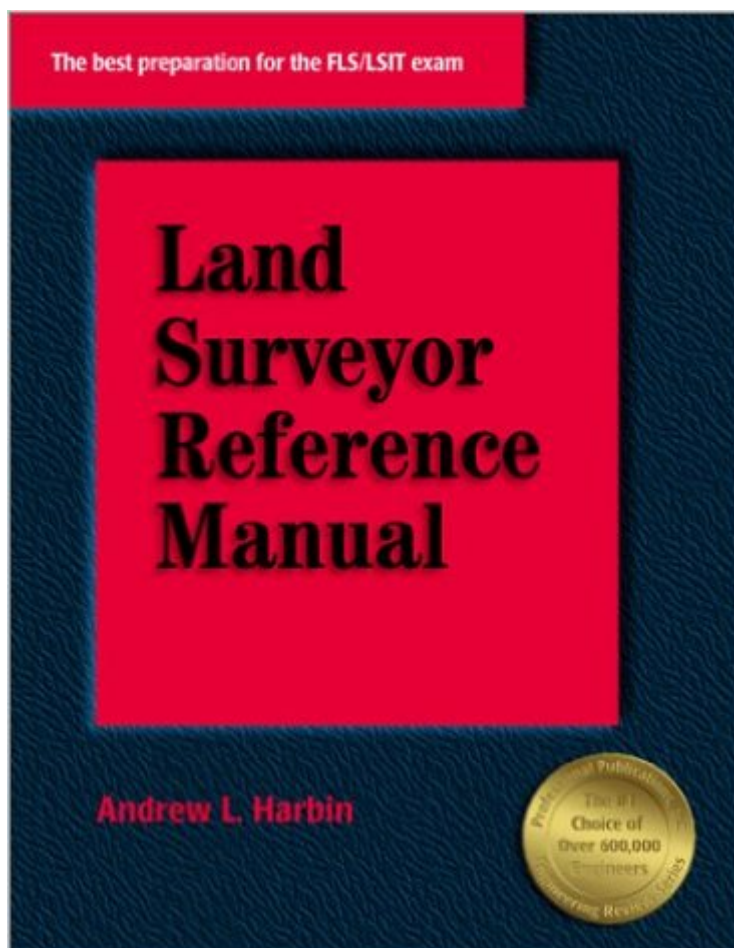


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# Land Surveyor Reference Manual



## Synopsis

The Land Surveyor Reference Manual is the most complete and effective review for the Fundamentals of Land Surveying (FLS) exam. In this major new edition, every exam topic is thoroughly and clearly covered. The book's 250 solved example problems reinforce key concepts and demonstrate solution methods. More than 365 practice problems are presented in the same format and level of difficulty as the actual exam, to give examinees realistic preparation. Fully worked-out solutions are included. In addition, the Land Surveyor Reference Manual provides a concise review of the math necessary to perform surveying functions. Exam information, test-taking strategies, and an extensive index complete this package.

## Book Information

Series: Engineering Review Series

Hardcover: 482 pages

Publisher: Professional Publications (CA); 3rd edition (January 2001)

Language: English

ISBN-10: 1888577509

ISBN-13: 978-1888577501

Product Dimensions: 11.3 x 8.8 x 1.2 inches

Shipping Weight: 3.2 pounds

Average Customer Review: 3.1 out of 5 stars Â See all reviews Â (15 customer reviews)

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## Customer Reviews

The manual was not written by a professional or educator in land surveying. The manual delivers only quite superficial coverage to each category in surveying. Although the author managed to involve many relevant information from coded sources, in-depth discussions and delivery of critical fundamental concepts are unavailable. The manual may be somewhat useful for civil engineering students with none or minimal surveying knowledge, but too much over-simplified ABCs for students possess certain basis surveying knowledge. It contains not even adequate materials for LSIT exams. It still could be a concise guide for Civil Professional Engineering candidates in reviewing surveying topics; however, it will not satisfy any other purposes for LS exams, advanced students,

or professionals. If you are buying references in surveying topics intended for in-depth purpose, try something else.

Like everybody else, I bought this not because I wanted it, but because it was the class text and thus, required. In that sense, it did its job (and the instructor's) in that it conveyed the information needed to pass the exams. The downside:--Numerous typo's, especially in the practice problems, leaving you to wonder why your answer doesn't jibe with the book's. Frustrating.--SEVERAL leaps in logic: The book will (loosely) explain a concept. Then it will give an equation with no explanation as to how it was derived from the original concept. Sure, you can just memorize the equation, but without understanding WHY it works, it's awful hard to apply it to the real world. VERY frustrating.--Many concepts are glossed over. Not too useful to those making a career of this. I suppose this book is somewhat useful for a refresher course in geometry and basic surveying math, but it's no value. Get it only if you have to. And get it used.

I am married to a licensed land surveyor, and have been in surveying for five years. I purchased this book to prepare to take the LSIT exam. It is a useful review of the pertinent math and does touch on a pretty comprehensive scope of topics, but still leaves a lot to be desired. This is a new edition and is FRAUGHT with errata. I have to update from their errata website frequently. It would be bad enough if I was familiar with the concepts in the book, but as I am trying to learn new concepts for the exam it is very demoralizing to be working through a problem which has errors in it and I can't figure out why I can't make my answer match what they have. I've done the problem correctly, but they've got a bogus solution and without a solid understanding of the concept at hand, there's no way for me to know who's right and if I've got the concept or not. Also bear in mind this is a textbook. And trying to learn from a textbook is virtually impossible without a teacher. My husband is my tutor and I am learning using this book and his knowledge together--you are not going to learn surveying concepts out of this book by yourself...it's just too superficial. They breeze through a concept, give an example and move on...there's no explanation or in-depth analysis of what you've just touched on. It is a fine tool for exam prep, but you better already know the concepts, or have a tutor available. The biggest disappointment is all the errata. If they had done a better job of editing before it went to press it would be a far better and more useful book....unfortunately there aren't many to choose from, so you're kind of stuck with it for LSIT prep work.

This book is written for people who didn't pay attention in high school math. The section on

boundary surveying is too limited. It reads like a short course manual written by someone lacking a university-level educators background. The "Surveying Handbook" by Brinker and Minnick is much more technical. I also recommend "Surveying - Theory and Practice" by Anderson and Mikhail which has the technical detail that should be known by a capable land surveyor. If you want a basic book on surveying, mainly related to field technique and construction staking, then get "Surveying with Construction Applications" by Kavanagh, It gives a general overview and I liked the earlier edition I used in college. My qualifications for writing this review is that I am a civil PE and a PLS with university coursework completed in both professions. I hate wasting time and money on a poor text. I also like the old surveying books from the 1930's for the basics of math, including spherical trigonometry, error analysis, and traditional surveying practice that still has use in modern times. It is nice to know where we came from and how things work, then use computers and field data collectors. To many instrument operators nowadays are only button pushers and don't have the technical background in basic trigonometry. Try "Surveying Vol I and II" by Breed and Hosmer and "Route Surveying" by Pickels and Wiley from a used book store.

Save your money and buy a real book. This book is so full of errors that there is an independent website where you can log the mistakes you find in the book. Harbin's explanations are simplistic and his English is marginal. After studying from this book for several weeks, I took it to my college instructor to ask him what I was doing wrong. He laughed and told me that I was doing the problems right but that the book was wrong and that he figured that about 8% of the answers in the book were just plain wrong. This is an awfully expensive book to be so riddled with errors. There is also the fact that this is the THIRD EDITION. Hello Harbin, you would think that after two tries he might get it right. I guess that as long as people keep buying the book for an exorbitant price someone will keep printing it. Save yourself the headache and expense and keep shopping.

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