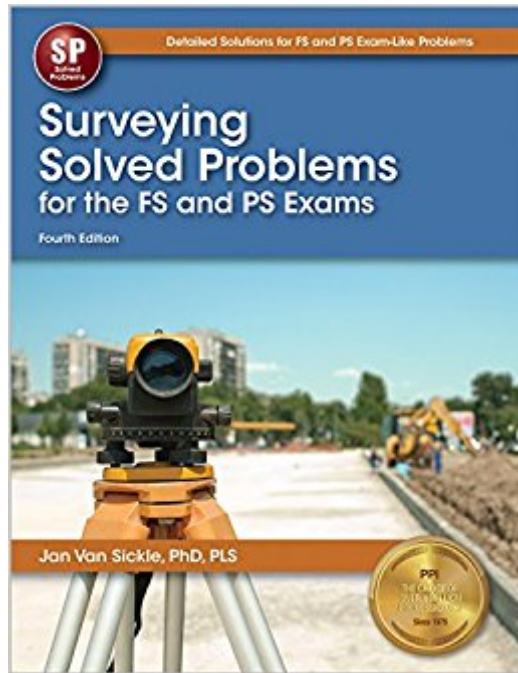




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# Surveying Solved Problems For The FS And PS Exams, 4th Ed



## Synopsis

Detailed Solutions for FS and PS Exam-Like Problems  
Surveying Solved Problems for the FS and PS Exams Fourth Edition  
Surveying Solved Problems includes more than 900 problems representing a broad range of topics on both the fundamentals of surveying (FS) and professional surveying (PS) exams. Each problem gives you the opportunity to apply your knowledge of theory and equations. The breadth of topics covered and the varied complexities of the problems allow you to assess and strengthen your problem-solving skills. Detailed, step-by-step solutions illustrate efficient problem-solving approaches and link common situations in current surveying practice to background information and history. Surveying Solved Problems will help you to: effectively familiarize yourself with the exam topics practice using the appropriate NCEES supplied references successfully connect relevant theory to challenging problems quickly identify accurate and efficient problem-solving approaches

Topics Covered

Advanced Mathematics  
Basic Sciences  
Computer Operations  
Geodetic and Control Surveys  
Geographic Information Systems (GIS)  
Global Positioning System (GPS)  
Hydrography  
Land Boundary Law  
Legal Descriptions  
Photogrammetry  
Plats and Mapping  
Project Management  
Public Land Surveying System  
Surveying Astronomy  
Surveying Instruments and Procedures  
Surveying Mathematics  
Written Communication

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## Customer Reviews

Jan Van Sickle, PhD, PLS, has been a licensed professional land surveyor for 31 years and is

currently licensed in seven states. Dr. Van Sickle's diverse experience lends itself to a variety of surveying, geomatics, and GIS projects. He has published three GIS and GPS textbooks and has advised many companies, including Microsoft, Jeppesen, and Hess, in geospatial matters. Dr. Van Sickle served as the GIS director at Quest Communications, where he led the effort to build the GIS spatial database for the company's worldwide network. He is a senior lecturer at the Pennsylvania State University and has been a featured speaker at many conferences.

About as good a collection of realistic questions as you'll find.

Very good review for LSIT.

I used this book to study from my Colorado LSI and PLS test that I took with the NCEES. The study material and problems in this book really prepare you for the test and use real world survey examples. Now that I am licensed PLS I will always keep this book in my library for reference. There is ton of good survey examples and it covers all the necessary subjects such as Boundary law, legal descriptions, Photogrammetry, surveying math, the PLSS and many other topics. I highly recommend this book if you are studying to take your surveying exam.

I passed the FS Exam using only this book in April of 2017. This book has a ton of excellent practice problems that are very similar to the real exam. The solutions are as complete as could be expected, almost always enough information to understand the path. For background, I have no traditional education in surveying. My degree is in mechanical engineering, but I do work as a surveyor for a surveying firm. The real world knowledge/experience that I have gained through work was just as useful to me as this book. I'm not confident that I would have passed if i didn't have both the experience, and this book.

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