



# Fundamentals of Surveying Practice Exam, 4th Ed.

By George M. Cole PhD PE PLS

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*Fundamentals of Surveying Practice Exam* includes 110 multiple-choice problems consistent with the two sessions of the NCEES computer-based fundamentals of surveying (FS) exam's scope of topics and level of difficulty. Like on the actual exam, an average of 3 minutes is required to solve each problem in this book. Comprehensive step-by-step solutions illustrate efficient problem-solving approaches and link common situations in current surveying practice to background information and history.

Taking the practice exam under the same constraints as the FS exam will enhance your time-management skills and prepare you to use the NCEES supplied reference handbook. Then, you can easily evaluate your performance and identify areas for further review.

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- familiarize yourself with the exam scope
- connect relevant theory to exam-like problems
- identify quick and accurate problem-solving approaches
- solve problems comfortably in an exam-like setting

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- Basic Sciences
- Boundary and Cadastral Survey Law
- Business Concepts
- Geodesy
- Geographic Information Systems
- Graphical Communication and Mapping

- Mathematics
- Photogrammetry and Remote Sensing
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## **Editorial Review**

### **About the Author**

George M. Cole, PhD, PE, PLS, is a practicing surveyor whose assignments have ranged from surveying remote areas of the Arctic to participating in the first worldwide satellite geodesy program. He holds a bachelor of science degree from Tulane University and a master of science degree and doctorate from Florida State University. In addition to authoring PPI's Surveyor Reference Manual and the Principles and Practice of Surveying Practice Exam, Dr. Cole has contributed articles to Point of Beginning magazine and published a guide to the legal and technical aspects of water boundaries. He has recently served as a visiting professor of surveying at the University of Puerto Rico and currently teaches at Florida State University.

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