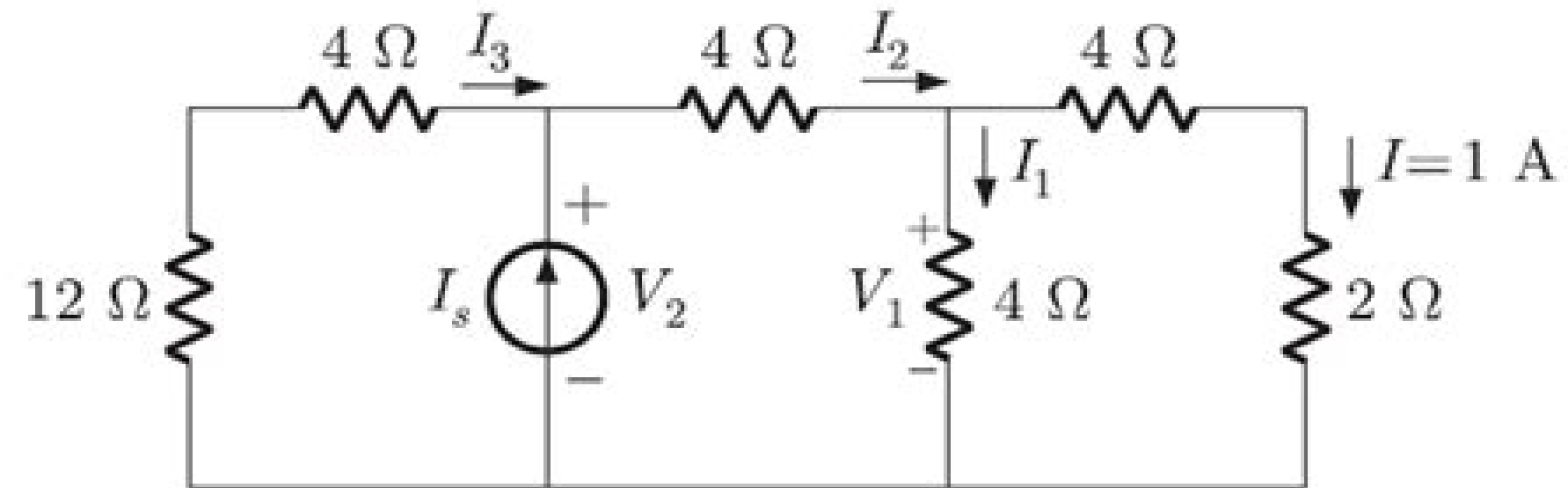


Let us denote the currents passing through different branches as shown below:



$$V_1 = 4I + 2I = 6V$$

$$I_2 = I_1 + I = \frac{V_1}{4} + I = \frac{6}{4} + 1 = 2.5A$$

$$I_s + I_3 = I_2$$

$$I_s - \frac{V_2}{4 + 12} = I_2 \quad I_s = \frac{16}{16} + 2.5 = 3.5A$$

$$I_s = 14A \rightarrow I = \frac{1}{3.5} \times 14 = 4A$$

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**Robert Brownell Angus, John E.
Hajjar, Abdulrahman Yassine**



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EIT Industrial Review Donovan Young, 2003-09-18 This guide is written for the afternoon FE EIT Industrial Exam and reviews each topic with numerous example problems and complete step by step solutions End of chapter problems with solutions and a complete sample exam with solutions are provided Topics covered Production Planning and Scheduling Engineering Economics Engineering Statistics Statistical Quality Control Manufacturing Processes Mathematical Optimization and Modeling Simulation Facility Design and Location Work Performance and Methods Manufacturing Systems Design Industrial Ergonomics Industrial Cost Analysis Material Handling System Design Total Quality Management Computer Computations and Modeling Queuing Theory and Modeling Design of Industrial Experiments Industrial Management Information System Design Productivity Measurement and Management 101 problems with complete solutions SI Units **Michigan Professional Engineer**, 2001 Fundamentals of Engineering (FE) Electrical and Computer - Practice Exam # 1 Wasim Asghar, 2016-06-29 Practice makes perfect is as applicable to passing FE Exam as it is to anything else This book contains full length practice exam with complete solutions based on latest NCEES Computer Based Testing CBT specification for FE Electrical and Computer Exam By means of using this book you will be able to Perform diagnostics of strengths and weaknesses Calibrate exam readiness Fine tune study plan The solutions are explained to assist students in developing familiarity with NCEES FE Reference Handbook which is the only allowed reference material during exam Target audience of this book includes final year students new graduates as well as seasoned professionals who have been out of school for a while Please visit www.studyforfe.com to learn about the recently launched On demand preparation course for Electrical and Computer Engineering portions of the latest NCEES FE Computer based Testing specification and it will allow you the flexibility to learn anytime from anywhere at your own pace by learning from 80 lectures and quizzes

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Solutions National Council of Examiners for Engineering & Surveying, Ncees, 1999-01-01 Study Guide for Fundamentals of Engineering (FE) Electrical & Computer CBT Exam Wasim Asghar, 2020 Practice makes perfect is as applicable to passing FE Exam as it is to anything else Third Edition of this study guide is also centered on the idea of problem based learning It contains over 700 problems with detailed solutions based on NCEES FE Reference Handbook Version 10 0 1 Back cover

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FE/EIT Electrical Engineering Review ,2001 **Fundamentals of Engineering** ,2010 *Fundamentals of
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