



University of Birmingham | Faculty of Engineering

Department of Mechanical Engineering

Coursework Report: Applied Mechanics

Assignment Title:

The student is required to solve the problems presented in the assignment by using the appropriate methods of analysis. The student is required to use the appropriate methods of analysis to solve the problems presented in the assignment. The student is required to use the appropriate methods of analysis to solve the problems presented in the assignment.

Coursework Title: Applied Mechanics

Student ID: 123456789

1. A beam of length 10m is supported at its ends by two vertical supports. The beam is subjected to a uniformly distributed load of 2kN/m over its entire length. Calculate the reactions at the supports.

A. 10kN

B. 20kN

C. 30kN

D. 40kN

$$\text{Reactions: } R_1 = 20\text{kN}, R_2 = 20\text{kN}$$

2. A beam of length 10m is supported at its ends by two vertical supports. The beam is subjected to a uniformly distributed load of 2kN/m over its entire length. Calculate the reactions at the supports.

A. 10kN

B. 20kN

C. 30kN

D. 40kN

$$\frac{2 \times 10}{2} = 10\text{kN}$$

$$R_1 = 20\text{kN}, R_2 = 20\text{kN}$$

3. A beam of length 10m is supported at its ends by two vertical supports. The beam is subjected to a uniformly distributed load of 2kN/m over its entire length. Calculate the reactions at the supports.

A. 10kN

B. 20kN

C. 30kN

D. 40kN

$$\frac{2 \times 10}{2} = 10\text{kN}$$

Algebra Progress Test 5

RJ Shavelson



Algebra Progress Test 5:

Nelson Caribbean Mathematics Marlene Folkes, Mary Maxwell, 1992 Nelson Caribbean Mathematics is a three book course suitable for students of all abilities in lower Secondary school The series aims to provide students with a solid foundation in Mathematics needed in everyday life and provides a firm basis for study up to CXC and beyond

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Robyn,2007-05-24 Since 2001 2002 standards based accountability provisions of the No Child Left Behind Act of 2001 have shaped the work of public school teachers and administrators in the United States This book sheds light on how accountability policies have been translated into actions at the district school and classroom levels in three states AQA *Mathematics* Bob Hartman,2006 Written by examiners and practising teachers this work offers study and homework support throughout GCSE It is useful as a reference source a lesson back up and a revision guide **Annotated Compilation of Research on Secondary School Mathematics, 1930-1970: Introduction. Compilation of articles** Marilyn N. Suydam,1972 *GED® MATH PRACTICE* Kamrouz Berenji, GED Math Practice Dominate the GED Math Exam with Confidence Are you ready to pass the GED math test and unlock new opportunities GED Math Practice Build Confidence Master Concepts and Succeed is the ultimate guide to helping you achieve a high score on the GED Math exam Whether you are just starting or looking to refine your skills this book provides step by step explanations targeted practice and powerful test taking strategies to ensure your success What s Inside Targeted Practice for GED Math Covers algebra geometry word problems and data analysis Step by Step Problem Solving Techniques Master proven methods to tackle even the toughest GED math questions Confidence Boosting Strategies Learn test taking tips that will help you stay calm and focused on exam day Real World Applications Strengthen your understanding with practical examples and problem solving exercises Full Length Practice Tests Sharpen your skills with exam style questions designed to mirror the real test Who is This Book For GED test takers who need a comprehensive and easy to follow math study guide Students looking to boost their GED math scores with proven strategies and practice exercises Anyone struggling with algebra geometry or data analysis and needing clear step by step guidance Why Choose This GED Math Study Guide Complete GED Math Coverage Everything you need to know all in one book Practice Makes Perfect Hundreds of practice problems to reinforce learning Success Oriented Strategies Build the skills and confidence needed to pass the GED math exam Your future starts today Get your copy of GED Math Practice and take the first step toward GED success **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office,1973 *El-Hi Textbooks in Print* ,1984 *Investigations in Mathematics Education* ,1976 **Macmillan/McGraw-Hill Math: Teacher ed., v. 2** ,2004 **El-Hi Textbooks and Serials in Print** ,1985

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