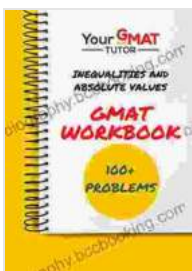


Master Inequalities and Absolute Values for GMAT Success: An In-Depth Workbook Guide

Inequalities and absolute values are essential concepts that frequently appear on the GMAT (Graduate Management Admission Test). They often pose challenges for test-takers, as they require a deep understanding of algebraic and geometric principles. This GMAT Workbook: Inequalities and Absolute Values is designed to provide you with a comprehensive and systematic approach to mastering these topics, ensuring your success on the GMAT.

Chapter 1: Understanding Inequalities

This chapter lays the groundwork by introducing the fundamental concepts of inequalities. You will learn about different types of inequalities, their properties, and the methods used to solve them. We will cover linear inequalities, quadratic inequalities, and more complex inequality expressions, providing you with a solid foundation for tackling GMAT problems.



GMAT WORKBOOK - Inequalities and Absolute Values (GMAT WORKBOOKS) by Bruce Berglund

★★★★☆ 4.8 out of 5

Language	: English
File size	: 1511 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 56 pages
Lending	: Enabled



Key Concepts:

- Types of Inequalities: Strict, Non-Strict, Linear, Quadratic
- Properties of Inequalities: Transitivity, Addition, Multiplication
- Solving Linear Inequalities: Graphing, Algebraic Methods
- Solving Quadratic Inequalities: Factoring, Sign Charts

Chapter 2: Absolute Value Equations and Inequalities

Absolute value equations and inequalities are a key focus of this workbook. We will delve into the concept of absolute value, its properties, and its applications in various mathematical expressions. You will learn effective techniques for solving absolute value equations and inequalities, including isolation, case analysis, and substitution.

Key Concepts:

- Definition of Absolute Value
- Properties of Absolute Value
- Solving Absolute Value Equations
- Solving Absolute Value Inequalities

Chapter 3: Inequalities in the Coordinate Plane

This chapter takes a geometric approach to inequalities. You will learn how to represent inequalities graphically in the coordinate plane. We will explore the concepts of graphing linear inequalities, quadratic inequalities, and

systems of inequalities. This visual representation will enhance your understanding and problem-solving skills.

Key Concepts:

- Graphing Linear Inequalities
- Graphing Quadratic Inequalities
- Systems of Inequalities
- Visualizing Inequality Regions

Chapter 4: Advanced Inequalities and Applications

In this chapter, we will tackle more challenging inequalities and their applications. You will encounter rational inequalities, radical inequalities, and inequalities involving multiple variables. We will also explore practical applications of inequalities in problem-solving scenarios, such as finding the maximum and minimum values of functions.

Key Concepts:

- Rational Inequalities
- Radical Inequalities
- Inequalities with Multiple Variables
- Applications of Inequalities

Chapter 5: Practice Problems and Solutions

To reinforce your understanding, this workbook concludes with a comprehensive collection of practice problems. These problems are designed to test your skills in solving a wide range of inequalities and

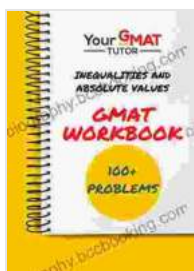
absolute value equations. Detailed solutions are provided for each problem, allowing you to check your work and identify areas for improvement.

Benefits:

- Identify and Address Knowledge Gaps
- Develop Problem-Solving Strategies
- Build Confidence and Fluency
- Empowerment for GMAT Success

Mastering inequalities and absolute values is crucial for achieving a high GMAT score. This GMAT Workbook: Inequalities and Absolute Values provides you with the tools and knowledge you need to conquer these challenging concepts. By working through the lessons, practicing the problems, and reviewing the solutions, you will gain the confidence and expertise necessary to tackle GMAT questions with precision and efficiency.

Remember, success on the GMAT is not just about memorizing formulas; it's about developing a deep understanding of mathematical concepts and the ability to apply them in novel situations. This workbook has been designed to empower you with the skills and knowledge you need to achieve your GMAT goals.



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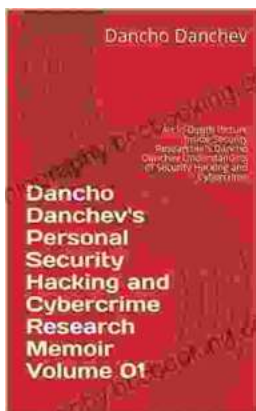
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