CLAST

Mathematics

Study Guide for the

College Level Academic Skills Test

The CLAST Study Guide for the Mathematics Subtest

ACKNOWLEDGMENTS

This document was developed by the Educational Services Program, Florida State University, with the assistance of professional mathematics educators for the Bureau of School Improvement and Instruction, Student Assessment Services, Florida Department of Education.

The writing and internal review team consisted of

Barbara Burrows
Santa Fe Community College

Guessna Dohrmann
Tallahassee Community College

Dauhrice Gibson
Gulf Coast Community College

Janice McFatter
Gulf Coast Community College

Kitty Myers
Chipola Junior College

Jean Taylor
Chipola Junior College

Bruce Teague
Santa Fe Community College

The external review team consisted of

Lou Cleveland
Chipola Junior College

Kenneth Dodaro
Florida State University

Emma Fenceroy
Florida A & M University

Mary Henderson
Okaloosa-Walton Community College

Mike Mears
Manatee Community College

Robert Sharpton
Miami-Dade Community College

Moana Karsteter, Tallahassee Community College, served as a content reviewer for the final draft.

The Educational Services Program production team consisted of Peggy Stillwell, project manager; Charlene H. Cappellini, editor; Alice Fisher, editorial assistant; Arthur Copeland, production specialist; and Gary Carroll, graphic designer.

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INTRODUCTION

The CLAST Mathematics Skills Subtest

The College Level Academic Skills Test (CLAST) consists of four subtests: essay, English language skills (ELS), reading, and mathematics. This guide is designed to help students prepare for the mathematics subtest that measures skills in the areas of arithmetic, geometry and measurement, algebra, statistics and probability, and logic.

The table below shows the number of skills tested in each area.

NUMBER OF CLAST SKILLS PER BROAD SKILL AREA

Math Skill Areas	Number of Skills
Arithmetic	13
Geometry and Measurement	10
Algebra	17
Statistics and Probability	9
Logic	8
TOTAL	57

There are 55 mathematics items on the test; the number of items per skill varies yearly. With each administration, five mathematics items are not scored; however, because there is no indication of which five questions will not be graded, you should do your best work on each item. Ninety minutes of the total five-hour testing time is allotted for the math subtest.

Introduction

Preparing for the CLAST

The *College Level Academic Skills Test: Study Guide Mathematics* is a tool for review not a substitute for a mathematics textbook or course. It is designed to help students who have completed their mathematics course requirements for the first two years of college and need to review these acquired skills for the CLAST exam. There are five chapters—one for each area—and a glossary.

Within each chapter you will find

- an **overview** that lists the specific skills covered within an area,
- an **explanation of each skill** that includes the steps for solving problems related to the skill and a variety of sample problems with explanations,
- **practice problems** similar to those found on the CLAST, and
- an **answer key** giving the solutions and explanations for the practice problems.

We recommend that you

1. begin your review several weeks before the test is scheduled
2. work through each section of the guide, using the glossary at the end of the book to refresh your memory of terms that you may have forgotten
3. complete the practice problems in each chapter and check your answers (If you have questions not answered in the guide, we strongly urge you to ask your instructor or another math professional for help.)
4. find out before the day of the test where it is to be given and what time you need to be there
5. allow yourself time for a good night's sleep the night before and a good breakfast the morning of the test
6. bring three #2 pencils and two blue or black ballpoint pens with you (You will need the pens for the essay portion of the exam.)
7. relax.

If you have followed these suggestions, you are well prepared.