Conquest's School of Science

Math Problems

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Enjoy, feel free to email: ashiful@conquestace.com for any questions

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Introduction

I teach a lot of students and do a lot of math, so maybe it is time to compile all the problems I found interesting into a single book.

"If I give up now,
I'm going to regret it."

- Monkey D. Luffy

Chapter 1

Algebra

1.1 Equations

Problem 1.1. *Find the meme to the equation:*

$$x^2 - y^2 = 15.$$

Chapter 2

Calculus

2.1 Limits

2.2 Derivatives

2.3 Integrals

2.4 Sequences & Series

2.5 Multivariable Calculus

2.6 Vector Calculus

2.7 Advanced Calculus

2.8 Numerical Methods

Chapter 3

Differential Equations

Chapter 4

Real Analysis

Chapter 5

Complex Analysis

Chapter 6

Linear Algebra

Chapter 7

Abstract Algebra

Chapter 8

Functional Analysis

Chapter 9

Topology

Chapter 10

Probability

Chapter 11

Statistics

Chapter 12

Combinatorics

Chapter 13

Measure Theory

Chapter 14

Set Theory

Chapter 15

Number Theory

Problem 15.1. *28 is a perfect number*

Chapter 16

Geometry

Chapter 17

Game Theory

Chapter 18

Logic

Appendix