

## Table of Contents

1. Functions
2. Graphs of Functions
3. Operations on Functions
4. The Inverse Function
5. The Trigonometric Functions
6. Introduction to Limits
7. Limit Theorems
8. Limits Involving Trigonometric Functions
9. Limits at Infinity and Infinite Limits
10. Continuity of Functions
11. Some Properties of Continuous Functions or The Intermediate Value Theorem
12. Derivative
13. Rules for Finding Derivatives
14. Derivatives of Trigonometric and Inverse Functions
15. L'Hopital's Rule
16. Maximum and Minimum Problems
17. Monotonicity and Concavity
18. Sophisticated Graphing
19. Mean Value Theorem