Calculus Forevers

Statements of definitions and theorems:

Chapter P and Appendix C.1

slope (of a line)
function
absolute value
Triangle Inequality
less than

Chapter One

limit (of a function at a point)
Sandwich Theorem
continuity (at a point)
Intermediate Value Theorem

Chapter Two

derivative (general definition)
derivative (of a function at a point)
Chain Rule

Chapter Three

absolute maximum	**absolute minimum**
local maximum	**local minimum**
increasing function	**decreasing function**
critical value	**Extreme Value Theorem** (for derivatives)
Rolle's Theorem	**Mean Value Theorem**
concave downward	**concave upward**
inflection point	

Chapter Four

indefinite integral
definite integral
limit of a Reimann Sum
Mean Value Theorem (for integrals)
Fundamental Theorem of Calculus (Parts 1 and 2)

Proofs
1. **Triangle Inequality**
2. **limit of a constant**
3. **limit of a sum**
4. **derivative of a sum**
5. **Product Rule**
6. **Chain Rule**
7. **Rolle's Theorem**
8. **Mean Value Theorem** (for derivatives)
9. **Mean Value Theorem** (for integrals)
10. **Fundamental Theorem of Calculus (Parts 1 and 2)**