

MATH 105 FINAL EXAM 371 TOPICS

CHAPTER 2

SECTION 2.1: Tangent Lines and Rates of Change

SECTION 2.2: The Derivative Function

SECTION 2.3: Introduction to Techniques of Differentiation

SECTION 2.4: The Product and Quotient Rules

SECTION 2.5: Derivatives of Trigonometric Functions

SECTION 2.6: The Chain Rule

CHAPTER 3

SECTION 3.1: Implicit Differentiation

SECTION 3.2: Derivatives of Logarithmic Functions

SECTION 3.3: Derivatives of Exponential & Inverse Trig. Functions

SECTION 3.5: Local Linear Approximation; Differentials

SECTION 3.6: L'Hopital's Rule; Indeterminate Forms

CHAPTER 4

SECTION 4.1: Increase, Decrease and Concavity

SECTION 4.2: Relative Extrema and Graphing Polynomials

SECTION 4.4: Absolute Maxima and Minima