

CONCEPTS TO KNOW - EXAM II

■ Derivatives - 3.5, 4.2, 4.3, 4.4

- Rules
 - Simple
 - Product
 - Quotient
 - Chain
 - Exponential and Log Functions
- Horizontal tangent lines
- Equation of the tangent line

■ Applications - 3.7, 4.7

- Marginal Analysis
- Elasticity of Demand

■ Curve Sketching - 5.1, 5.2, 5.4

- 4-Step Method
- Sketching a graph given information

■ Absolute Extrema - 5.5

- Continuous on a closed interval
- Not continuous
- Continuous on an open interval

■ Applications of Absolute Extrema – 5.6

- Preliminary Word Problems
- Full Word Problems