EFFECTIVE: SEPTEMBER 2004
CURRICULUM GUIDELINES

A.	Division:	**Instructional**	Effective Date:	**September 2004**
B.	Department / Program Area:	**Science and Technology**	Re	

3. Inverse Functions: Exponential, Logarithmic and Inverse Trigonometric Functions
   - definitions, properties, and graphs
   - differentiation of logarithmic and exponential functions (any base)
   - applications to graphing, extrema, related rates
   - logarithmic differentiation
   - growth and decay problems
   - differentiation of inverse trigonometric functions
   - applications to graphing, extrema, related rates
   - limits involving combinations of exponential, logarithmic, trigonometric, and inverse trigonometric functions
   - L'Hôpital's rule

4. Graphing and Algebraic Functions
   - increasing and decreasing functions
   - local extrema
   - Rolle's Theorem and Mean Value Theorem
   - curve sketching
   - concavity; inflection points
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