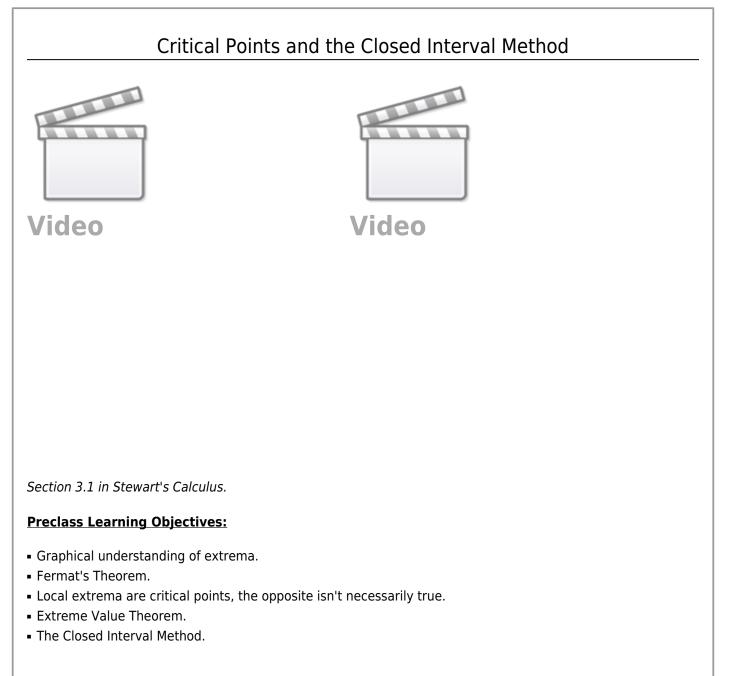
# **Calculus Chapter 3**

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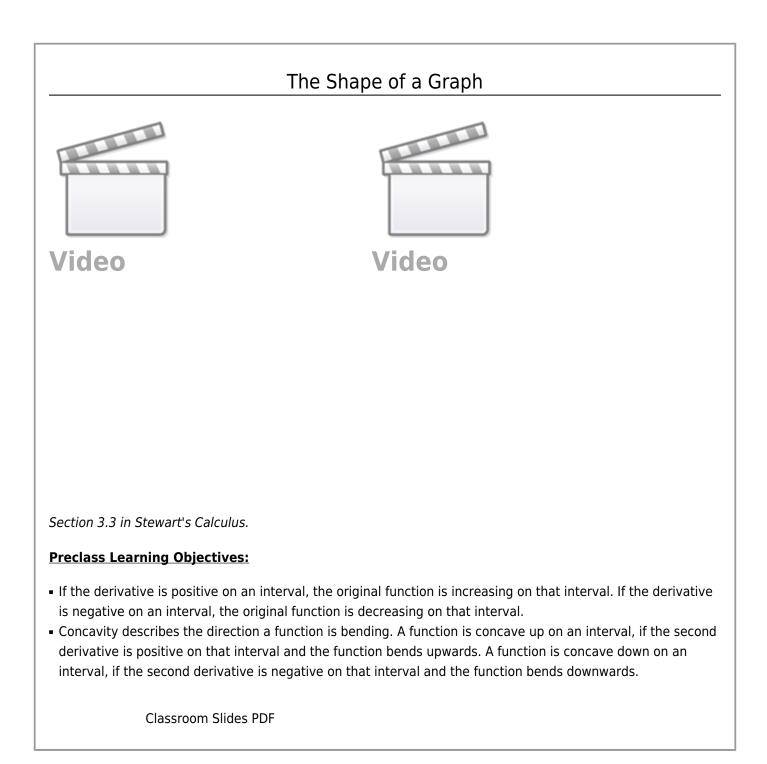


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## The Mean Value Theorem

Section 3.2 in Stewart's Calculus.

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Horizontal Asymptotes	
Video Vi	deo
Section 3.4 in Stewart's Calculus. Preclass Learning Objectives: • The end behavior of a function is described with limits. • Horizontal asymptotes of power functions are either zero or do not exist (tend towards infinity). • Determinate and indeterminate forms. Classroom Slides PDF	
Curve Sketching	
	ion 3.5 in Stewart's Calculus.
	class Learning Objectives: e basics of curve sketching.

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Video

## Optimization



Video

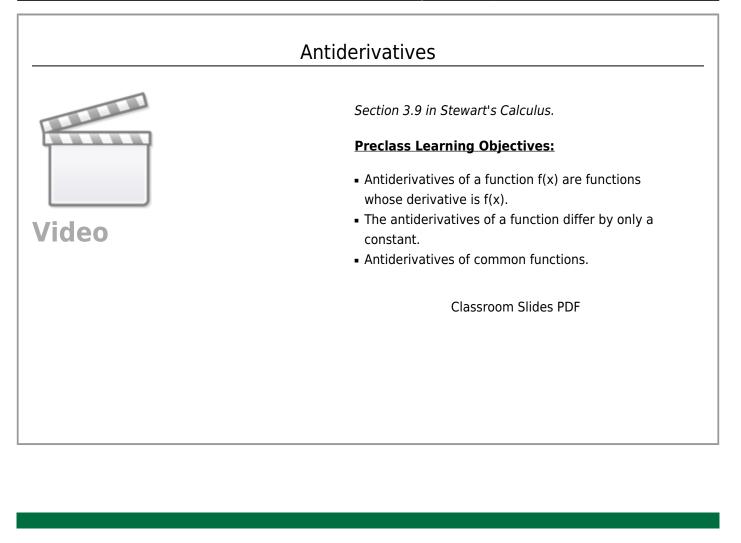
Section 3.7 in Stewart's Calculus.

#### **Preclass Learning Objectives:**

 Optimized solutions to problems are found at critical points. This technique is useful in obtaining information in natural, less mathematical, settings.

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