

AP Calculus AB Chapter 3 Syllabus*

Day	Date	Description	Homework
1		3.1 - Relative and Absolute Extrema	<ul style="list-style-type: none"> p. 217 (11, 17, 27, 30, 35, 39, 41, 43, 47, 63, 71, 72, 74, 75)
2		3.2 - Rolle's Theorem and the Mean Value Theorem FR 1	<ul style="list-style-type: none"> p. 224 (11, 15, 19, 23, 33, 35, 39, 41, 43, 53, 57, 82, 83)
3		Derivative Approximations and Existence Theorems Given Tabular Data	<ul style="list-style-type: none"> MVT and other Theorems WKST
4		3.1, 3.2 Quiz 3.3 - Increasing and Decreasing Functions and the First Derivative Test	<ul style="list-style-type: none"> p. 233 (5 - 17 odd, 23, 27, 33, 37, 43, 59)
5		3.4 Concavity and the Second Derivative Test FR 5, 14	<ul style="list-style-type: none"> p. 242 (1 - 5 odd, 13, 15, 31, 39, 53, 83, 87 - 89 all) FR 2
6		3.5 - Curve Sketching	<ul style="list-style-type: none"> p. 253: (5, 11, 13, 17, 89) FR 3, 7, 16
7		3.3-3.5 Quiz 3.5 - Curve Sketching (given characteristics) Sketching f' and f'' given f	<ul style="list-style-type: none"> Curve Sketching HW WKST Pg. 156 (115 - 119 odd) Pg. 234 (77-80 all, 92) FR 8
8		Interpreting f' Graphs More Motion on a line FR 11, 12	<ul style="list-style-type: none"> Interpreting f' graphs WKST (Page 2) Another Motion WKST (Part I #1/Part II #1-8 all)
9		3.5, Sketching, Interpreting f' graphs, Relating f, f', f'' and Motion Quiz 3.6 - Optimization FR 10	<ul style="list-style-type: none"> p. 262 (5-19 odd, 25, 29)
10		3.6 - Optimization	<ul style="list-style-type: none"> More Optimization WKST(odds)
11		3.7 - Linear Approximation Matching Game	<ul style="list-style-type: none"> Linear Approximation WKST Pg. 276 (1-5, 10, 11) Ch 3 MC Review
12		Quiz: Optimization/Linear App. Review	<ul style="list-style-type: none"> Ch 3 FR Review
13		Ch 3 Test	

*Syllabus Subject to Change

