AP Calculus AB

**Chapter 5 Assignment Sheet**

***Applications of Derivatives***

**Lessons & Assignments Due Date**

*Lessons 3-1, 3-2, 5-3:* *Relating the Graphs of*  *Part 1*

Complete Packet \_\_\_\_\_\_\_\_\_

*Lessons 3-1, 3-2, 5-3:* *Relating the Graphs of*  *Part 2*

Complete Lessons 3-1, 3-2, 4-3Practice Worksheet \_\_\_\_\_\_\_\_\_

***Quiz #1: Take-Home Assessment*** \_\_\_\_\_\_\_\_\_

*Lesson 3-4: Velocity and Other Rates of Change*

pp. 137 – 139 / 1, 8, 9, 20, 25a,b

p.191 / 78 \_\_\_\_\_\_\_\_\_

*Lessons 5-1 & 5-2: Extreme Values & the Mean Value Theorem*

p. 199 Quick Review #’s 5 – 8

pp. 200 – 201 / 5, 7, 50

pp. 208 – 209 / 1, 2 ,4, 11, 12, \*14, 43 \_\_\_\_\_\_\_\_\_

***Quiz #2*** \_\_\_\_\_\_\_\_\_

*Lesson 5-4: Modeling and Optimization*

Complete Packet \_\_\_\_\_\_\_\_\_

*Lesson 5-5: Linearization*

p. 247 / 1, 2, 12, 17, 21 \_\_\_\_\_\_\_\_\_

*Lesson 5-6: Related Rates*

pp. 257 – 259 / 8, 11, 13, 20, 31 \_\_\_\_\_\_\_\_\_

## Chapter 5 Test