

	AP CALCULUS	Instructor: Mr. Bergin
	CHAPTER 4:	11/7/2013
	Applications of Derivatives	
Section		Homework Problems
4.1 Extreme Values of Function	Pgs. 187-192	Quick Review p.193 #1-12 pgs.193-195 #1-30,35-38,47-52
4.2 Mean Value Theorem	Pgs. 196-201	Quick Review p.202 #1-10 pgs.202-204 #1-4,6,7,9,10,15-28, #43,44,53-56
4.3 Connecting f' and f'' with the Graph of f	Pgs. 205-214	Quick Review p.214 #1-10 pgs.215-218 #1-14,16-30,33-40, #48-52,55-60 Quick Quiz p.218 #1-4
4.4 Modeling and Optimization	Pgs. 219-225	Quick Review p.226 #1-10 pgs. 226-231 #2,3,6,7,9-14,19,20 #23-26
4.5 Linearization and Newton's Method	Pgs. 233-242	Quick Review p.242 #1-10 pgs.242-245 #1-10,15-23,31,32 #41-47,57-61
4.6 Related Rates	Pgs. 246-250	Quick Review p.250 #1-6 pgs.251-254 #1-3,8-11,16,17,19,20 #23-26,29,38-41 Quick Quiz p.255 #1-3
	Grey Book Problems	S1 #1,2,3,5,6,13,15,21,39,42,43,44 S2 #3,5,8,11,22,23,25,27,29,30,31, #33,35,36,37,43 S3 #4,17,19,21,27,33,35,36,37,41, #42,44,45 S4 #11,12,16,20,24,28,30,31,32,35 S5 #4,6,10,14,15,20,23,25,27,31,33 #38,39,43 S6 #15,16,20,26,31,33,35,40,42,43
	2013 MC Pretest	#1,3,5,6,8,11,12,13,14,16,18,19,20, #21,24,25,28,76,77,78,80,82,84,86 #88,89,90(27)
	Chapter 4 Review Exercises	pgs.256-260 #1-18,31-33,36-38
	Chapter 4 Test	