MAT A29 Reading Guide Please print this page for reference throughout the course.

Name: _____ Student Number: _____

Week	Suggested Exercises	Task / Notes
1	§1.1 Review of Functions 14, 15, 17, 19, 46, 47, 53, 55 *Note*: These numbers refer to questions from the book. E.g. "14" is Question 14 in §1.1 Review of Functions.	
	§1.2 Basic Classes of Function 59, 61, 69, 73, 83, 85, 87, 91, 93, 95, 97	
2	§2.2 The Limit of a Function 35, 36, 37, 46, 47, 48, 59, 60, 61, 62, 63, 64	Homework #1 due Thursday Jan. 16th at 11:59pm.
	§2.3 The Limit Laws 83, 85, 93, 95, 111, 113	
3	§2.3 The Limit Laws (continued)	Quiz #1 in tutorial.
	§3.1 Defining the Derivative 11, 13, 19, 25, 27, 39	
	§3.2 The Derivative as a Function 57, 59, 61, 65, 71, 73, 93	
4	§3.3 Differentiation Rules 107, 111, 117, 123, 125, 127, 131	Homework #2 due Thursday Jan. 30th at 11:59pm.
	§3.5 Derivatives of Trigonometric Functions 175, 181, 183, 191, 193, 209	
5	§3.6 The Chain Rule 215, 217, 221, 223, 235	Quiz #2 in tutorial.
	§3.8 Implicit Differentiation 301, 303, 307	
	§4.1 Related Rates 1, 3, 5, 9, 17	
6	§4.3 Maxima and Minima 91, 93, 95, 105, 107, 109, 117, 119, 123, 125, 129, 145	Homework #3 due Thursday Feb. 13th at 11:59pm.
	§4.7 Applied Optimization Problems 311, 317, 319, 321, 353	
	READING WEEK	

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Week	Suggested Exercises	Task / Notes
7	§4.5 Derivatives and the Shape of a Graph 201, 205, 207, 217, 219, 225, 227, 229, 241, 243	Quiz #3 in tutorial.
8	§4.2 Linear Approximations and Differentials 51, 53, 33, 69, 73, 77, 83, 85	Homework #4 due Thursday Mar. 6th at 11:59pm.
9	§4.10 Antiderivatives [465], 467, 471, [473], [475], 477, 483, [489], [491]	Quiz #4 in tutorial.
	§5.3 The Fundamental Theorem of Calculus 151, [153], 157, [161], [171], 173, 175, 177, [183]	
10	§5.4 Integration Formulas and the Net Change Theorem [207], 209, [211], 213, 221, [231]	Homework #5 due Thursday Mar. 20th at 11:59pm.
	§5.5 Substitution [257], 259, 261, [263], 265, 269, 271, [273], 275, 279, 313	
	§3.1 (of OpenStax Calculus Volume 2) Integration by Parts 1, [3], [5], 7, [23], [28], 42, 43, 46	
11	§3.4 (of OpenStax Calculus Volume 2) Partial Fractions [182], 183, [184], 185, [196], 197, [198]	Quiz #5 in tutorial.
	§3.7 (of OpenStax Calculus Volume 2) Improper Integrals [350], [351], 352, [356], [362], [363], 366, [372]	
12	§6.1 Areas between Curves 1, 3, 5, 7, 13, 15, 17, 21, 23, 27, 29	Homework #6 due Thursday Apr. 3rd at 11:59pm.
	§6.2 Determining Volume by Slicing 63, 67, 69, 71, 75, 77, 79, 83, 85, 89	