

Text: **Introduction to Calculus, Purdue MA 22000- Pearson Custom Edition for Purdue University, Taken from Algebra for College Student, 6th ed. (Lial, Hornsby, McGinnis) and Calculus with Application, 10 ed. (Lial, Greenwell, Ritchey)**

A one-line, scientific calculator with logarithm and exponential functions is required. Graphing calculators or programmable calculators may not be used. Calculators which are capable of numerical or symbolic differentiation or integration are considered programmable and are not allowed. The suggested calculator is a TI-30XA. All graphs for paper homework must be sketched by hand on paper or graph paper. **Problems in bold print below should be completed on paper and may be collected by the instructor.**

Note: Sections in normal print are found in part I (algebra half) of the textbook, sections found in bold print are found in part II (calculus half) of the textbook.

Problems in bold print are to be completed on paper and **may be** collected by your instructor. Problems that are not in bold print will be on MyMathLab and will be numbered 1, 2, 3, etc.

<u>Lessons</u>	<u>Sections</u>	<u>Assignments</u>
1(a&b)		course information discussed,
	5.2, R.1	Algebra part , p. 305: 5, 21, 22 , 41, 42 , 47, 48 , 55, 56 , 69, 70 , 71, 72 , 81; Calculus part , p. R-5: 3, 4 , 5, 6
2 (a&b)		Algebra part , p. 210: 5, 7, 11, 13, 14 , 16 , 17, 19, 21, 23, 24 , 25, 26 , 27, 28 , 31, 32 , 33, 34 , 35, 36 , 37, 38 , 43, 45, 46 , 49, 50 , 51, 52 , 53, 54 , 55, 57, 58 , 60 , 61, 62 , 63, 64 , 65, 66 , 67, 68 , 72 , 75, 76 , 78 , 81, 82 , 86 , 87, 90 ; p. 423: 6 , 7, 9, 10
	3.5, 7.4 1.2 , 2.1	Calculus part , p. 23: 3, 5, 6 , 9, 10 , 19, 27(b,e,i) , 33(a,b,c) , 35(a-f) ; p. 53: 1, 2, 3, 4 , 5, 6 , 8, 17, 18 , 22 , 23, 24 , 25, 26 , 33, 34 , 35 , 37, 38 , 40 , 41, 43, 47 , 49, 50 , 51 , 55, 57, 58 , 59, 61, 62 , 76(a)
3a	5.4, R.1	Algebra part , p. 324: 7, 10 , 12 , 13, 15, 19, 21, 23, 25, 27, 31, 33, 35, 40 , 47, 53, 57, 59, 61, 63, 79, 85 , 89 , 98 , 99, 100 Calculus part , p. R-5: 9, 11 , 15, 21, 23
3b	5.4, R.1	More on polynomials , worksheet of problems
4	2.1, 7.4 R.4	Algebra part , p. 61: 13, 19, 21, 25, 31, 35, 40 , 53, 57, 61, 65 p. 423: 7, 19, 23, 27, 29, 35, 39 Calculus part , p. R-16: 3, 4 , 5, 29
5	2.3, 2.4 7.5, 9.3	Algebra part , p. 81: 31, 39, 47, 49, 51, 53, 55, 59 p. 92: 21, 23, 25, 26 , 28 , 31, 41 p. 435: 43, 45, 49, 51, 53, 55, 57 p. 564: 19, 23, 25, 27
6	6.5, R.4 Summary	Algebra part , p. 376: 7, 11, 17, 23, 29, 33, 37, 43 p. 567: 3 , 5 , 7 , 11 , 14 , 17 , 21 Calculus part , p. R-16: 9, 11 , 13, 15, 19 , 21, 23, 24 , 25, 29 , 31, 33, 34
January 30 th		REVIEW FOR EXAM 1
January 31 st		Exam 1 (Thursday evening exam)
7	9.3, 9.4	Algebra part , p. 565: 35, 36, 37, 38, 39, 41, 42 p. 573: 29, 31, 32, 33, 35, 37, 38, 41, 43, 45 possible worksheet of additional problems
8	3.2, 3.3 1.1	Algebra part , p. 170: 21, 23, 25, 27, 31, 33, 35, 37, 38 , 39, 40 , 41, 43, 45, 47, 49, 53, 55 , 59, 61 p. 186: (7 – 14 all), 19, 21, 25, 27, 29, 33, 37, 39, 43, 47, 53, 57, 77, 79, 81 , 83 Calculus part , p. 13: 16 , 18 , 19 , 20 , 21 , 24 , 26 , 45, 47 , 49, 51 , 53, 55 , 57, 61 , 63(a,b) , 64 , 68 , 69 , 70 , 72 , 74
9	3.1	Calculus part , p. 135: 5, 7, 9, 10 , 11, 15, 17 , 19, 31, 33, 35, 37

MA 22000		Assignment Sheet	Spring 2013
10	3.1	Calculus part, p. 135: 32, 34, 36, 38, 39, 41, 43, 45, 47, 49, 51, 53, 54, 55, 56, 83, 91	
11	3.3	Calculus part, p.158: 1, 3, 5, 9, 12, 17, 25(a-d), 26(a-d), 29, 33, 42(b,c)	
12	3.4	Calculus part, p. 176: 11, 13, 15, 21, 23, 25, 35, 36, 37, 49, 51, 56(a,b)	
13	4.1	Calculus part, p. 207: 1, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 19, 20, 21, 23, 24, 27, 28, 29	
14	4.1	Calculus part, p. 207: 31, 32, 33, 35, 37, 39, 41, 43, 45, 51, 52, 56, 60, 67(c), 69, 71, 73	
15	4.2	Calculus part, p. 216: 1, 3, 5, 7, 9, 29, 34, 39, 50	
16	4.2	Calculus part, p. 216: 11, 13, 15, 17, 19, 21, 23, 25, 30, 31, 33, 35, 40, 41, 43, 53, 54	
17	4.3	Calculus part, p. 225: 7, 11, 13, 15, 17, 19, 21, 23, 25, 28, 29, 31	
18	4.3	Calculus part, p. 225: 43, 45, 47, 49, 50, 54(a,b,c), 55(a,b), 57(a,b), 62(a-c), 63(a-c)	
March 1 st		CATCH UP OR STRUCTURED REVIEW FOR EXAM 2	
March 4 th		CLASSROOM HELP SESSION – attendance not required	
March 5 th		Exam 2 (Tuesday evening exam)	
19	2.4	Calculus part, p. 86: 13, 15, 18, 19, 21, 23, 25, 27, 37, 39, 40, 42, 43, 47, 48(a,b)	
20	4.4	Calculus part, p. 232: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 38, 41, 42, 45, 58(a-c)	
March 18 th		LAST DAY TO WITHDRAW FROM THE COURSE (WILL RECEIVE A ‘W’)	
21	2.5	Calculus part, p. 981: 1, 3, 5, 7, 9, 12, 13, 15, 17, 19, 21, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 57, 59, 61, 77, 90(b,d), 92(a,b)	
22	4.5	Calculus part, p. 240: 1, 3, 7, 10, 13, 15, 17, 23, 47, 56 (a-c), 57(a,b), 64 (a,c), 65	
23	5.1	Calculus part, p. 260: 1, 3, 5, 7, 13, 15, 17, 19, 21, 23, 25, 28, 29, 31, 33, 46, 47, 52, 55	
24	5.2	Calculus part, p. 271: 5, 13, 15, 17, 19, 21, 25, 29, 31, 35, 41, 43, 46, 47, 49, 57	
25	5.3	Calculus part, p. 283: 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, 25(a), 27, 29, 31, 33, 35, 37, 39, 41, 45, 47, 87, 91, 93	
26	12.4, 3.1	Algebra part, p. 785: 15, 17, 19, 21, 23, 25, 27 (Only find the equations of any horizontal or vertical asymptotes for these problems .) Calculus part, p. 137: all problems 43, 44, 45, 46, 47, 48, 49, 50, 51, 52	
27	5.4	Calculus part, p. 294: 3, 4, 5, 6, 7, 8, 9, 11, 13	
28	5.4	Calculus part, p. 294: 15, 17, 18, 19, 20, 21, 23, 25	
29	6.1	Calculus part, p. 310: 11, 13, 15, 17, 19, 20, 21, 25, 31, 33, 36, 37, 44, 45, 51, 52, 55, 56	
30	6.2	Calculus part, p.318: 1, 7, 8, 9, 10, 11 (no problems on MyMathLab, all problems on paper)	
April 10 th		CATCH UP OR STRUCTURED REVIEW FOR EXAM 3	
April 12 th		CLASSROOM HELP SESSION – attendance not required	
April 15 th		CLASSROOM HELP SESSION – attendance not required and Exam 3 (Monday evening exam)	
31	6.2	Calculus part, p.318: 13, 14, 15, 16, 19, 20, 21	
32	6.2	Calculus part, p. 318: 23, 24, 31, 33, 45, 47	
April 22 nd		STRUCTURED REVIEW FOR FINAL EXAM (department practice problems)	
April 24 th & 26 th		REVIEW FOR FINAL EXAM, CLASSROOM Help Session– attendance not required	