

Text: **Introduction to Calculus, Purdue MA15910- 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 TI-30XA or TI-30Xa calculator is required. 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 and scored as a quiz.**

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 Introduction,
	5.2, R.1	Algebra part , p. 305: 5, 21, 22 , 41, 42 , 47, 48 , 55, 56 , 62 , 69, 70 , 71, 72 , 81; Calculus part , p. R-5: 3, 4 , 5, 6
2 (a&b)	3.5, 7.4 1.2, 2.1	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 Calculus part , p. 23: 3, 5, 6 , 9, 10 , 19, 27(b,e,i) , 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 , <i>worksheet of problems</i> (The worksheet will be available on the web page and may also be emailed to students as an attachment.)
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
6	6.5, 9.3, R.4	Algebra part , p. 376: 7, 11, 17, 23, 29, 33, 37, 43 p. 564: 19, 23, 25, 27 Summary: p. 567: 3 , 5 , 7 , 11 , 14 , 17 , 21 Calculus part , p. R-16: 9, 11 , 13, 15, 19 , 21, 23, 25, 29 , 31, 33, 34
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
February 5th & 8th February 8th		REVIEW FOR EXAM 1 (attendance not required on the 8th) Exam 1, Monday evening exam, 8:00 PM, location TBA
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

<u>Lessons</u>	<u>Sections</u>	<u>Assignments</u>
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(a,b), 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
March 4th & 7th		REVIEW FOR EXAM 2 (attendance not required on the 7th)
March 8th		Exam 2, Tuesday evening exam, 8:00 PM, location TBA
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)
19	2.4	Calculus part, p. 86: 13, 15, 18, 19, 21, 23, 25, 27, 37, 39, 40, 42, 43, 47, 48(a,b)
March 11th, 5:00 PM		LAST DAY TO WITHDRAW FROM THE COURSE (WILL RECEIVE A 'W')
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)
21	2.5	Calculus part, p. 98: 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, 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, 87, 91, 93
April 4th & 6th		REVIEW FOR EXAM 3 (attendance not required on the 6th)
April 7th		Exam 3, Thursday evening exam, 6:30 PM, location TBA
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) I expect to see your work/steps for these problems, not just an answer sheet.
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 25th – 29th		REVIEW FOR FINAL EXAM (attendance not required on 29th)
Week of May 2nd		FINAL EXAM (location, date, time to be announced)