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 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.

Lessons	Sections	Assignments
1(a&b)		course information discussed,
	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)		**Algebra part,** p. 210: 5, 7, 11, 13, **14**, **16**, 17, 19, 21, 23, **24**, 25, **26**, 27, **28**, 31,
	3.5, 7.4	**32**, 33, **34**, 35, **36**, 37, **38**, 43, 45, **46**, 49, **50**, 51, **52**, 53, **54**, 55, 57, **58**, **60**, 61,
	1.2, 2.1	**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**), **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* (The worksheet will be available on the web page and may also be emailed to students as an attachment.)
4	2.1, 7.4	**Algebra part,** p. 61: 13, 19, 21, 25, 31, 35, **40**, 53, 57, 61, 65
	R.4	p. 423: 7, 19, 23, 27, 29, 35, 39
		Calculus part, p. R-16: 3, **4**, 5, **29**
5	2.3, 2.4	**Algebra part**, p. 81: 31, 39, 47, 49, 51, 53, 55, 59
	7.5, 9.3	p. 92: 21, 23, 25, **26**, **28**, 31, 41
		p. 435: 43, 45, 49, 51, 53, 55, 57
September 11th		REVIEW FOR EXAM 1
September 12th		**Exam 1 (Thursday evening exam)**
6	6.5, 9.3,	**Algebra part**, p. 376: 7, 11, 17, 23, 29, 33, 37, **43**
	R.4	p. 567: **3, 5, 7, 11, 14, 17, 21**
		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, **24**, 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
		possible worksheet of additional problems
8	3.2, 3.3	**Algebra part**, p. 170: 21, 23, 25, 27, 31, 33, 35, 37, **38**, 39, **40**, 41, 43, 45, 47,
	1.1	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**
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
October 11th		CATCH UP OR STRUCTURED REVIEW FOR EXAM 2
October 14th		CLASSROOM HELP SESSION – attendance not required
October 15th		**Exam 2 (Tuesday evening exam)**
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)
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)**
October 23rd		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
November 11th		CATCH UP OR STRUCTURED REVIEW FOR EXAM 3
November 13th		CLASSROOM HELP SESSION – attendance not required
November 14th		**Exam 3 (Thursday evening exam)**
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**
December 2nd & 4th		STRUCTORED REVIEW FOR FINAL EXAM (department practice problems)
December 6th		CLASSROOM HELP SESSION – attendance not required
Week of Dec. 9th		FINAL EXAM (location, date, time to be announced)