MA 15800 **Assignment Sheet** **Summer 2014**

Text:: Algebra and Trigonometry with Anal. Geometry by Swokowski/Cole, Classic 12th Ed., Brooks/Cole (2010), Custom Edition with Enhanced WebAssign Homework Card – ISBN 9781133904564

All Homework will be completed online; however, you will still need to develop disciplined habits of showing work and learning to communicate clear step-by-step solutions, which will be consistently assessed on the quizzes. The **bolded problems** listed below are problems where graphing an equation or function on paper without a graphing calculator is the primary goal, a very important skill for calculus courses. Only a one-line scientific calculator which has trigonometric and logarithmic functions and their inverses is allowed (TI-30XA recommended). Graphing calculators and any calculators with more than 1-line may never be used on exams and quizzes.

All homework is due at 11:30pm local time the day of the lecture following that lesson.

Lesson	Sections	HW Assignment Problems
1	3.4	p.167: 3, 4, 6, 9, 11, 12, 14, 19, 20, 21, 25, 26, 24, 28, 29, 30, 32, 33, 34
2	3.4	p.167: **38, 39, 40, 42, 45,** 47, 49, 50, 51, 52, 54, 65, 67, 68, 71, 72, 73, 76, 78
3	3.5	p.181: 3, 4, 6, 7, 8, 10, **13, 14, 15, 16, 18, 22, 23, 27, 29, 33, 34, 35**, 43, 44
4	3.5	p.182: **25, 31, 32, 38, 39, 41, 42,** 45, 46**, 49, 50, 51, 52, 62, 63, 64,** 65, 66, 68, 69
5	3.6	p.192: 6, 10, 12, **13, 14, 16, 17, 18, 20, 21,** 23, 24, 30
		(For #13&#14, also determine the domain, range, and increasing/decreasing intervals for *f*.)
6	3.6	p.193: 28, 29, 32, 33, 34, 35, 36, 38, 40, 41, 46, 47, 50, 51, 52, 53, 55, 56
7	3.7	p.203: 1, 4, 6, 7, 9, 10, 13, 21, 23, 24, 26, 32, 33, 35, 37, 38, 40, 43
8	3.7	p.204: 45, 46, 49, 50, 52, 56, 58, 60
	4.1	p.219: **2, 14, 15, 22**

Friday, June 27 **EXAM 1 (60 minutes in class) – Lesson 1-8**

9	4.1	p.220: **17, 20, 23, 26, 27, 28, 32,** 36, 37, **42, 43ab**, **45, 46**
	4.2	p.227: 1, 2, 4, 5, 8, 50a
10	4.3	p.238: **2, 4**, 12, 14, 49
	4.5	p.262: **1, 2, 7, 9, 10, 18**
11	4.5	p.263: **16, 20, 22, 26, 30, 38, 41, 42**
12	4.5	p.263: **31, 32, 40, 44, 45, 46, 47, 48, 51, 52**
		(For #32&40 also determine the domain, range, increasing/decreasing intervals, and *f*(*x*) > 0 intervals for *f*, additionally determine whether the function is even, odd, or neither.)
13	5.1	p.285: **3, 5, 8, 11**, 21, 24, 25, 26, 28, 29, 30, 32, 34, 35, 37, 41, 45, 48
14	5.2	p.296: 1, 5, 7, 10, **11, 12, 16, 17, 18, 30, 31, 32**, 33, 34, **36,** 39, 41, 42, 46, 48
		(For #18 also determine the domain, range, and increasing/decreasing intervals for *f*.)
15	5.3	p.306: **1, 2, 3,** 5, 7, 8, 11, 14, 15, 16, 18, 20, 22, 23, 24, 26, 27, 28, 32

Friday, July 11 **EXAM 2 (60 minutes in class) – Lessons 9-15**

16	5.4	p.318: 2, 3, 11, 13, 15, 18, 19, 20, 22, 25, 26, 27, 28, 30, 32, 34
17	5.4	p.319: **36,** 45, 46, 47, 48, 50, 51, 57, 64, 66, 67, 71, 74, 76, 77
		(For page 319 #36d also determine the domain, range, and increasing/decreasing intervals for *f*.)
18	5.5	p.328: 1, 4, 6, 7, 11, 13, 14, 16, 18, 22, 23, 26, 31, 34, 51, 53, 54, 56, 59, 60
19	5.6	p.339: 2, 3, 4, 5, 6, 10, 12, 16, 19, 20, **44, 45,** 51, 52, **55,** 56, 58, 59
20	6.1	p.356: 2, 3, 4, 5, 7, 8, 9, 13, 17, 18, 21, 23, 24, 25, 27, 30, 31, 33, 34, 36, 37ad, 38, 39, 40, 41
21	6.2	p.372: 1, 3, 6, 7, 9, 11, 12, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 29, 31, 32
22	6.2	p.372: 36, 37, 39, 41, 44, 48, 53-66, 72, 76, 77, 78, 80, 82, 83, 84, 86, 87, 90
23	6.3	p.390: 17, 19, 27, 29, 31, 32, 39, 41, 42, 46, 47, 49, 50, 51, 52, 55-59, 74

Friday, July 25 **EXAM 3 (60 minutes in class) – Lessons 16-23**

24	6.4	p.399: 1, 3, 6, 7, 8, 10, 12, 13, 14, 16, 17, 18, 19, 21, 23, 25, 30, 34, 36, 37, 39, 43, 44
	7.2	p.455: **1, 2, 3, 4, 5, 6, 7**
25	6.5	p.410: **1, 3, 6, 7, 8, 16, 26, 28, 32, 38,** 41, 42, 43, **46, 53, 54**
26	6.7	p.427: 1, 4, 6, 10, 13, 18, 20, 25, 26, 28, 29, 31, 32, 33, 35, 36, 38, 41, 43, 44, 45, 47, 48, 50, 51 **(Also draw and label a proportionally correct triangle(s) for each problem.)**
27	7.4	p.473: 1, 2, 3, 5, 6, 8, 9, 10, 50
	8.2	p.518: 1, 7, 12, 15, 17, 22, 24, 25, 26
28	9.1	p.570: 2, 7, 10, 11, 18, 20, 23, 34, 41, 46 **(For p. 570 also graph both equations and find the intersection(s).)**
	9.2	p.579: 1, 10, 24, 26, 31, 30, 35
	9.5	p.612: 1, 8 **(On page 579 and page 612, use the method of substitution, <u>not</u> <u>elimination or matrices</u>.)**
29	11.5	p.784: 1, 2, 3, 4, 9, 11, 12, 14, 16, 18, 21, 30, 31, 37, 38, **45, 46, 48, 49, 56, 58, 62**

There will be three midterm exams and a two-hour comprehensive final exam given during "finals week," August 6 through August 8. The date and time of the final exam will be announced during the summer. THE SUMMER TERM DOES NOT END UNTIL 9:00PM ON FRIDAY, AUGUST 8. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY WILL **<u>NOT</u>** BE GRANTED EARLY FINAL EXMS TO ACCOMMODATE TRAVEL PLANS.