MA 15800 **Assignment Sheet** **Spring 2013**

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

**** No Calculators will be allowed on quizzes or exams until after Exam 1.**
After Exam 1, a 1-line scientific calculator which has trigonometric & logarithmic functions, and their inverses is required for many of the quiz and exam problems. ALSO: Several homework problems throughout the semester require a calculator to approximate an answer. (Recommended: 1-line TI-30XA calculator).
Graphing calculators and any calculators with more than 1-line may never be used on quizzes or exams.

All quiz responses should be written clearly **with sufficient work shown to justify the answer**. **You must provide work and analysis similar to what is shown in the textbook and demonstrated by your instructor.**

***HOMEWORK:** 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.

Course Webpage: www.math.purdue.edu/MA15800 NOTE: Online HW links/instructions are on the webpage

Day/Lesson		Sections	HW Assignment Problems
Mon	1	3.4	p167: 1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 19, 20, 21, 25, 26
Wed	2	3.4	p167: 24, 28, 29, 30, 32, 33, 34, **38, 39, 40, 41, 42, 45,** 47, 49, 50
Fri	3	3.4&3.5	p168: 51, 52, 54, 65, 67, 68, 71, 72, 73, 76, 77, 78 p181: 3, 4, 6, 7, 8, 10
Mon	4	3.5	p181: **13, 14, 15, 16, 18, 22, 23, 27, 29, 33, 34, 35**, 43, 44
Wed	5	3.5	p182: **25, 31, 32, 38, 39, 41, 42,** 45, 46**, 58**, **60, 62**
Fri	6	3.5	p182: **47, 49, 50, 51, 52, 58, 63, 64,** 65, 66, 68, 69
Wed	7	3.6	p192: 6, 7, 10, 12, **13, 14, 16, 17, 18, 19, 20, 21, 22,** 23, 24, 26, 30 **(For #13&#14, also determine the domain, range, and increasing/decreasing intervals for *f*.)**
Fri	8	3.6	p193: 28, 29, 32, 33, 34, 35, 36, 38, 40, 41, 47, 52
Mon	9	3.6&3.7	p193: 46, 50, 51, 53, 55, 56 p203: 1, 4, 6, 7, 9, 10, 13, 14, 16, 18, 37, 38
Wed	10	3.7	p203: 21, 23, 24, 26, 32, 33, 35, 36, 40, 43
Fri	11	3.7&4.1	p204: 45, 46, 49, 50, 52, 55, 56, 58, 60 p219: **2, 3, 14, 15, 22**
Mon	12	4.1&4.2	p220: **17, 20, 23, 26, 27, 28, 32,** 36, 37, **42, 43ab**, **45, 46** p227: 1, 2, 4, 5, 8, 50a
Wed	13	4.3&4.5	p238: **2, 4**, 12, 14, 49 p262: **1, 2, 7, 9, 10, 18**
Fri	14	4.5	p263: **16, 20, 22, 26, 30, 38, 41, 42**

Monday, February 11: EXAM 1 – 8:00PM (90 minutes) – Lessons 1 to 14

Wed	15	4.5	p263: **31, 32, 40, 44, 45, 46, 47, 48, 51, 52, 53** **(For page 263 #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.)**
Fri	16	5.1	p285: **3, 5, 8, 11**, 21, 22, 24, 25, 26, 28, 29, 30, 32, 34, 35, 37, 41, 45, 46, 48
Mon	17	5.2	p296: 1, 2, 5, 7, 10, **11, 12, 16, 17, 18, 20, 29, 30, 31, 32**, 33, 34, **36,** 39, 41, 42, 46, 48 **(For page 296 #18 also determine the domain, range, and increasing/decreasing intervals for *f*.)**
Wed	18	5.3	p306: **1, 2, 3,** 5, 6, 7, 8, 11, 13, 14, 15, 16, 18, 20, 22, 23, 24, 26, 27, 28, 30, 32, 35
Fri	19	5.4	p318: 2, 3, 11, 13, 15, 16, 18, 19, 20, 22, 25, 26, 27, 28, 30, 32, 34

Lesson **Hw due** Sections HW Assignment Problems

Mon 20 5.4 p319: **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*.)

Wed 21 5.5 p328: 1, 4, 6, 7, 8, 9, 11, 13, 14, 16, 18, 22, 23

Fri 22 5.5&5.6 p328: 26, 31, 34, 51, 53, 54, 56, 58, 59, 60
p339: 2, 3, 4, 5, 6, 10, **44, 45, 46**

Mon 23 5.6&6.1 p339: 11, 12, 16, 19, 20, 51, 52, **55,** 56, 58, 59
p356: 2, 5, 7, 8, 21, 22, 23, 24, 25, 27, 28

Thursday, March 7 EXAM 2 – 8:00PM (90 minutes) – Lessons 15-23

Fri 24 6.1 p356: 3, 4, 9, 10, 13, 14, 16, 17, 18, 30, 31, 32, 33, 34, 36, 37ad, 38, 39

Mon 25 6.1&6.2 p356: 40, 41, 46, 47, 48, 50, 54
p372: 1, 3, 6, 7, 9, 17, 18, 19, 21

Wed 26 6.2 p372: 11, 12, 16, 20, 22, 23, 24, 26, 27, 29, 31, 32, 72, 76, 77, 78, 80, 82, 83, 84

Fri 27 6.2&6.3 p375: 35, 36, 37, 39, 41, 44, 48, 53-66, 86, 87, 90
p390: 27, 28, 39, 41, 42

Mon 28 6.3&6.4 p390: 17, 19, 29, 30, 31, 32, 43, 46, 47, 49, 50, 51, 52, 55-59, 74
p399: 1, 3, 4, 6, 7, 8, 10, 12

Wed 29 6.4&7.2 p399: 13, 14, 16, 17, 18, 19, 21, 22, 23, 24, 25, 29, 30, 34, 36
p455: **1, 2, 3, 4, 5, 6, 7**
(On page 455, problems 1--7, use a graph of the sine, cosine, or tangent function

Fri 30 6.4&6.5 p399: 37, 38, 39, 41, 43, 44
p410: **1, 3, 24, 26**

Mon 31 6.5 p410: **6, 7, 8, 12, 16, 27, 28, 32, 35, 38**

Wed 32 6.5 p410: 41, 42, 43, 44, **46, 52, 53, 54, 56**

Fri 33 6.7 p427: 1, 4, 6, 8, 10, 11, 13, 16, 18, 20, 25, 26, 28, 29, 31, 32, 35, 36, 38
(Also draw and label a proportionally correct triangle(s) for each problem.)

Mon 34 6.7 p428: 33, 34, 39, 41, 43, 44, 45, 46, 47, 48, 50, 51
(Also draw and label a proportionally correct triangle(s) for each problem.)

Thursday, April 11 EXAM 3 – 8:00PM (90 minutes) – Lessons 24 to 34

Fri 35 7.4 p473: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 50

Mon 36 8.2&9.1 p518: 1, 7, 12, 15, 17, 22, 24, 24, 25, 26
p570: 2, 3, 7, 10, 11, 14, 18
(For p. 570 also graph both equations and find the intersection(s).)

Wed 37 9.1&9.2 p570: 20, 21, 23, 25, 34, 38, 41, 42, 46
p579: 1, 9, 10, 24, 25, 26, 31

Fri 38 9.2, 9.5&11.5 p579: 30, 35, 36, 42
p612: 1, 8
p784: 1, 2, 3, 4, 6, 9, 10, 11, 12
(On page 579 and page 612, use the method of substitution, <u>not</u> <u>elimination or matrices</u>.)

Mon 39 11.5 p784: 14, 16, 18, 21, 28, 30, 31, **45, 46, 47, 48**

Wed 40 11.5 p784: 37, 38, **49, 52, 56, 58, 62, 64**

There will be three **required evening midterm exams** and there is also a two-hour final exam during finals week, Monday, April 29 through Saturday, May 4. The date and time of the final exam will be announced during the semester. THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 15 AT 9:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **<u>WILL NOT</u>** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.