

MA 15900**Assignment Sheet****Fall 2011**

Text: Algebra and Trigonometry with Anal. Geom. by Swokowski/Cole, Classic 12th Ed., Brooks/Cole (2010)
CUSTOM EDITION with Enhanced WebAssign Homework Card – ISBN – 1-111-87720-3

**** No Calculators** will be allowed on quizzes or exams until after Exam 2.

After Exam 2, 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/MA15900 NOTE: Online HW links/instructions are on the webpage

Lesson	Hw due	Sections	HW Assignment Problems	
Mon 1	Tu 8/23	1.2	p25: 3, 4, 5, 6, 7, 8, 10, 13, 16, 20, 23, 24, 27, 31, 32, 47, 49, 51, 53, 54, 55, 57, 58, 95, 96, 97	
Wed 2	Th 8/25	1.2&1.3	p25: 36, 37, 41, 42, 45, 59, 62, 64, 65, 67, 68, 70, 73, 78, 98, 100 p39: 6, 10, 11, 12, 14, 16, 18, 20, 23, 29, 33, 38, 40, 50, 52, 56, 58, 64	Q1 – Tu 8/23 Lesson 1
Fri 3	Tu 8/30	1.3&1.4	p39: 68, 70, 71, 72, 75, 79, 80, 87, 89, 92, 94, 99, 100, 102, 105 p47: 1, 4, 5, 6, 10, 11, 17, 20, 22, 43, 44, 50, 52	Q2 – Th 8/25 Lessons 1 - 2
Mon 4	Tu 8/30	1.4	p48: 12, 13, 14, 23, 26, 27, 41, 42, 45, 46, 55, 56, 57, 65, 67, 69	
Wed 5	Th 9/1	1.4&2.1	p48: 47, 48, 72, 73, 74, 76, 77, 78 p60: 4, 6, 8, 9, 10, 12, 16, 18, 20, 22, 23, 29, 30, 31, 35, 37, 51, 67, 70, 74, 75	Q3 – Tu 8/30 Lessons 2 - 4
Fri 6	Tu 9/6	2.1&2.2	p60: 33, 34, 40, 44, 55, 59, 61, 68, 72, 73 p70: 1, 4, 8, 10, 11, 14, 17, 19, 27	Q4 – Th 9/1 Lessons 3 - 5
Wed 7	Th 9/8	2.2	p71: 12, 15, 16, 20, 21, 22, 23, 25, 26, 30, 31	
Fri 8	Tu 9/13	2.2&2.3	p72: 33, 34, 35, 36, 38 p84: 1, 5, 11, 12, 13, 14, 20, 22, 26, 28, 33, 36, 41, 52, 57, 58, 59	Q5 – Tu 9/6 Lessons 4 - 6
Mon 9	Tu 9/13	2.3&2.4	p84: 44, 54, 56, 60, 61, 62, 64, 65, 66, 73, 74, 76, 78, 80 p93: 15, 17, 18, 35, 36, 38, 39	Q6 – Th 9/8 Lessons 5 - 7

Tuesday, September 13**EXAM 1 – 8:00PM (90 minutes) – Lessons 1 to 9**

Wed 10	Th 9/15	2.4&2.6	p93: 4, 5, 9, 12, 19, 22, 30, 42, 46, 48, 52, 54, 55 p109: 1, 2, 3, 4, 5, 7, 8, 13, 14, 17, 20, 21, 22	Q7 – Th 9/15 Lessons 8 - 10
Fri 11	Tu 9/20	2.6&2.7	p109: 29, 35, 36, 41, 42, 44, 47, 48, 49, 51, 54, 55, 58, 60, 63, 64, 67, 70, 74, 75, 76, 78, 82, 83, 84 p117: 1, 3, 5	Q8 – Tu 9/20 Lessons 10 - 12
Mon 12	Tu 9/20	2.7&3.1	p117: 7, 10, 13, 14, 17, 19, 20, 21, 24, 25, 27, 28, 29, 30, 32, 41, 42, 44, 45, 47, 48 p128: 2, 5, 6, 7, 8, 10, 14	Q9 – Th 9/22 Lessons 11 - 13
Wed 13	Th 9/22	3.1&3.2	p128: 15, 16, 18, 19, 20, 22, 24, 25, 26, 27, 28, 29, 30, 31, 34 p138: 1, 4, 7, 8, 9, 10, 12, 14, 16, 17, 19, 21	
(For the problems on p138, also determine all x-axis, y-axis, or origin symmetries that exist.)				
Fri 14	Tu 9/27	3.2&3.3	p138: 25, 28, 31, 32, 34, 35, 36, 39, 40, 41, 44, 46, 47, 48, 50, 51, 57, 60, 63, 65, 68, 70, 72, 73 p151: 1, 11, 13, 15, 19, 20, 22	Q10 – Tu 9/27 Lessons 13 - 15
Mon 15	Tu 9/27	3.3&3.4	p151: 23, 27, 29, 32, 34, 35, 38, 39, 40, 43, 44, 46, 49, 50, 54, 55, 58, 60, 62, 63, 66 p167: 1, 3, 4, 5, 6, 8	Q11 – Th 9/29 Lessons 14 - 16
Wed 16	Th 9/29	3.4	p167: 9, 10, 11, 12, 14, 19, 20, 21, 24, 25, 26, 28, 29, 30, 32, 33, 34, 39, 40, 41, 42, 45	Q12 – Tu 10/4 Lessons 16 - 18
Fri 17	Tu 10/4	3.4&3.5	p168: 47, 49, 50, 51, 52, 54, 65, 67, 68, 71, 72, 73, 76, 77, 78 p181: 3, 4, 6, 7, 8, 10, 13, 15, 18	Q13 – Th 10/6 Lessons 17 - 19
Mon 18	Tu 10/4	3.5	p181: 14, 16, 22, 23, 25, 27, 29, 31, 32, 33, 34, 35, 38, 39, 43, 44, 60, 62	
Wed 19	Th 10/6	3.5	p182: 41, 42, 45, 46, 47, 49, 50, 51, 52, 58, 63, 64, 65, 66, 68, 69	
Fri 20	Th 10/13	3.6	p192: 6, 7, 10, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 30, 33, 38	
(For #13&#14, also determine the domain, range, and increasing/decreasing intervals for f.)				
Wed 21	Th 10/13	3.6	p193: 28, 29, 32, 34, 35, 36, 40, 41, 46, 47, 50, 51, 52, 53, 55, 56	Q14 – Th 10/13
Fri 22	Tu 10/18	3.7	p203: 1, 4, 6, 7, 9, 10, 13, 14, 16, 18, 21, 23, 24, 26, 32, 33, 35, 36, 37, 38	Lessons 19 - 21

Lesson Hw due Sections HW Assignment Problems

Mon 23 **Tu 10/18** 3.7&4.1 p204: 40, 43, 45, 46, 49, 50, 52, 55, 56, 58, 60
p219: **2, 4, 14, 17, 20, 22, 26**

Q15 – Tu 10/18
Lessons 21 - 23

(For page 220 #14 also determine the domain, range, and increasing/decreasing intervals for f .)
(For page 220 #20, also determine whether the function is even, odd, or neither.)

Wed 24 **Th 10/20** 4.1,4.2,4.3,&4.5 p220: **27, 28, 32, 36, 37, 42, 43ab, 45, 46** p227: 1, 2, 4, 5, 8, 50a
p238: **2, 4, 12, 14, 49** p262: **1, 2, 7**

Fri 25 **Tu 10/25** 4.5 p263: **9, 10, 16, 18, 20, 22, 26, 30, 38, 41, 42, 45, 46**

Q16 – Th 10/20
Lessons 22 - 24

Mon 26 **Tu 10/25** 4.5&4.6 p263: **31, 32, 40, 44, 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.)
p270: 1, 3, 4, 6, 7, 10, 12, 13, 14

Tuesday, October 25 EXAM 2 – 8:00PM (90 minutes) – Lessons 10 to 26

Wed 27 **Th 10/27** 4.6&5.1 p270: **16, 17, 20, 21, 22, 24**
p285: **3, 5, 8, 11, 21, 22, 24, 25, 26, 28, 29, 30, 32, 34, 35, 41, 45, 46, 48**

Q17 – Th 10/27
Lessons 25 - 27

Fri 28 **Tu 11/1** 5.2&5.3 p296: **1, 2, 5, 7, 10, 11, 12, 16, 17, 18, 20, 29, 30, 31, 32, 33, 34, 36, 39, 41, 42, 46, 48**
p306: **1, 2, 3, 5, 6, 7, 8, 11, 13, 14, 15, 16**

Q18 – Tu 11/1
Lessons 27 - 29

(For page 296 #18 also determine the domain, range, and increasing/decreasing intervals for f .)

Mon 29 **Tu 11/1** 5.3&5.4 p306: 18, 20, 22, 23, 24, 26, 27, 28, 30, 32, 35
p318: 2, 3, 11, 13, 15, 16, 18, 19, 20, 22, 25, 26, 27, 28, 30, 32, 34

Wed 30 **Th 11/3** 5.4&5.5 p319: **36, 45, 46, 47, 48, 50, 51, 57, 64, 66, 67, 71, 74, 76, 77**
p328: 1, 4, 6, 7, 8, 9, 11, 13

Q19 – Th 11/3
Lessons 28 - 30

(For page 319 #36d also determine the domain, range, and increasing/decreasing intervals for f .)

Fri 31 **Tu 11/8** 5.5&5.6 p328: 14, 16, 18, 22, 23, 26, 31, 34, 51, 53, 54, 56, 58, 59, 60
p339: 2, 3, 4, 5, 6, 10, 16, 19, 20, **44, 45, 46**

Q20 – Tu 11/8
Lessons 30 - 32

Mon 32 **Tu 11/8** 5.6&6.1 p339: 11, 12, 51, 52, **55, 56, 58, 59**

Wed 33 **Th 11/10** 6.1&6.2 p356: 2, 3, 4, 5, 7, 8, 9, 10, 13, 14, 16, 17, 18, 21, 22, 23, 24, 25, 27, 28
p356: 30, 31, 32, 33, 34, 36, 37ad, 38, 39, 40, 41, 46, 47, 48, 50, 54
p372: 1, 3, 6, 7, 9, 17, 18, 19, 21

Q21 – Th 11/10
Lessons 31 - 33

Fri 34 **Tu 11/15** 6.2 p372: 11, 12, 16, 20, 22, 23, 24, 26, 27, 29, 31, 32, 35, 36, 37, 39, 41, 44, 48, 53-66, 72, 76, 77, 78, 80, 83, 84

Mon 35 **Tu 11/15** 6.2&6.3 p375: 82, 86, 87, 90
p390: 17, 19, 27, 28, 29, 30, 31, 32, 39, 41, 42, 43, 46, 47, 49, 50, 51, 52, 55-59, 74

Q22 – Tu 11/15
Lessons 33 - 35

Wed 36 **Th 11/17** 6.4 p399: 1, 3, 4, 6, 7, 8, 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 23, 24, 25, 29, 30, 34, 36, 37, 38, 39, 41, 43, 44

Thursday, November 17 EXAM 3 – 8:00PM (90 minutes) – Lessons 26 to 36

Fri 37 **Tu 11/22** 7.2&6.5 p455: **1, 2, 3, 4, 5, 6, 7**
p410: **1, 3, 6, 7, 8, 12, 16, 24, 26, 27, 28**

(On page 455, problems 1--7, use a graph of the sine, cosine, or tangent function

Mon 38 **Tu 11/22** 6.5&6.7 p410: **32, 35, 38, 41, 42, 43, 44, 46, 52, 53, 54, 56**
p427: 1, 4, 6, 8, 10, 11, 13, 16, 18, 20, 25, 26

Q23 – Tu 11/22
Lessons 36 - 38

(On page 427, also draw and label a proportionally correct triangle(s) for each problem.)

Mon 39 **Tu 11/29** 6.7 p428: 28, 29, 31, 32, 33, 34, 35, 36, 38, 39, 41, 43, 44, 45, 46, 47, 48, 50, 51

(Also draw and label a proportionally correct triangle(s) for each problem.)

Wed 40 **Th 12/1** 7.4&8.2 p473: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 50
p518: 1, 7, 12, 15, 17, 22, 24, 24, 25, 26

Q24 – Tu 11/29
Lessons 37 - 39

Fri 41 **Tu 12/6** 9.1 p570: 2, 3, 7, 10, 11, 14, 18, 20, 21, 23, 25, 34, 38, 41, 42, 46

(For the first 10 problems, also graph both equations and find the intersections.)

Mon 42 **Tu 12/6** 9.2, 9.5&11.5 p579: 1, 9, 10, 24, 25, 26, 30, 31, 35, 36, 42
p612: 1, 8

Q25 – Th 12/1
Lessons 38 - 40

p784: 1, 2, 3, 4, 6, 9, 10, 11, 12, **45, 46, 47, 48**

(On page 579 and page 612, use the method of substitution, not elimination or matrices.)

Wed 43 **Th 12/8** 11.5 p784: 14, 16, 18, 21, 28, 30, 31, 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, December 12 – Saturday, December 17, 2010. The date and time of the final exam will be announced during the semester. THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 17 AT 9:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.