

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, 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

Thursday, September 12 EXAM 1 – 8:00PM (75 minutes) in ELLIOTT – Lessons 1 to 9

Fri 10	3.7	p203: 21, 23, 24, 26, 32, 33, 35, 36, 40, 43
Mon 11	3.7&4.1	p204: 45, 46, 49, 50, 52, 55, 56, 58, 60 p219: 2, 3, 14, 15, 22
Wed 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
Fri 13	4.3&4.5	p238: 2, 4 , 12, 14, 49 p262: 1, 2, 7, 9, 10, 18
Mon 14	4.5	p263: 16, 20, 22, 26, 30, 38, 41, 42
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
Wed 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 .)

Lesson **Hw due** Sections **HW Assignment Problems**

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

Tuesday, October 15 EXAM 2 – 8:00PM (75 minutes) in ELLIOTT – Lessons 10 to 21

Wed 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**

Fri 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

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

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

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

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

Wed 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

Fri 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

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

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

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

Wed 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.)

Thursday, November 14 EXAM 3 – 8:00PM (75 minutes) in ELLIOTT– Lessons 22 to 33

Fri 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.)

Mon 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, not elimination or matrices.)

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, December 10 – Saturday, December 15, 2012. 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 **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.