

Text: Algebra and Trigonometry with Analytic Geometry by Swokowski / Cole, Ninth Edition, Brooks / Cole (1997).

**A non-graphing, non-programmable, one-line display scientific calculator**, which has square roots, trigonometric and logarithmic functions, and their inverses, is required.

Calculators may be used for all problems below *except* those where you are asked to find an exact value or where calculators are explicitly forbidden.

## **Multi-line calculators are not allowed on exams and quizzes.**

The solutions to all homework and exams questions should be written clearly with sufficient work shown to justify the answer. Whenever possible, check your answer.

<u>Lesson</u>	<u>Section</u>	<u>Assignment</u>
1	6.1	p361: 2,5,8,10,14,18,22,23,26,28,30,31a,34a,37ad
2	6.2	p376: 4,5,9,14,17,21,23,24,27,30
3	6.2	p376: 50,54,59,60,68,72,75,79,81,82,84,86
4	6.3	p395: 1,4,5,18,23,27,29,30,32,34,55,57,63
5	6.4	p404: 2,3,6,7,10,12,13,16,18
6	6.4	p404: 19,22,25,30,33,36,37
7	6.5	p416: 2,6,7,11,19,27,28
8	6.5	p416: 31,32,36,41,42,43,44,46
9	6.7	p436: 4,12,15,25,26,31,33,34,35

**Class on Wednesday, September 12<sup>th</sup> is an optional review session**

**Exam 1 is on Thursday, September 13<sup>th</sup> from 7:00 PM to 8:00 PM**

10	6.7	p436: 45,46,48,61,63,64,65,66
11	7.1	p453: 1,6,7,8,12,15,17,20,21
12	7.1	p453: 25,26,30,34,35,37,41,51,52
13	7.2	p464: 2,3,11,20,21,28,30
14	7.2	p464: 37,39,42,43,47,48,50,51,53
15	7.3	p475: 3,6,7,10,12,14,17,18,19,20,21,22,35,37,40
16	7.4	p484: 1,3,4,7,10,14,15,25,33,35,44a
17	7.6	p505: 1,3,4,7,12,13,14,19,20,
18	7.6	p506: 23,24,27,32,33,34,53,54,55
19	8.1	p521: 5,8,10,13,16,17,19
20	8.1	p521: 21,24,25,27,28
21	8.2	p531: 3,5,8,11,13,15
22	8.2	p531: 16,18,20,21,24

**Class on Wednesday, October 17<sup>th</sup> is an optional review session**

**Exam 2 is on Thursday, October 18<sup>th</sup> from 8:30 PM to 9:30 PM**

**Assignments continued on the back of this page**

<u>Lesson</u>	<u>Section</u>	<u>Assignment</u>
23	8.3	(Review 2.4) p538: 1,6,12,15,16,17,22,25
24	8.3	p538: 30,37,40,41,45,48,49,50
25	8.5	p553: 2,5,8,12,13,14,16,30,33,38,39
26	8.5	p553: 41,43,46,48,50,51,53,55,57,60
27	8.6	p566: 2,3,5,10,12
28	8.6	p566: 14,16,18,20,23
29	4.5	p288: 2,3,6,9,11,14,20,21,24
30	4.5	p288: 30,31,32,36,37,38,39,40
31	11.1	p743: 3,6,9,12,14,15,16,25,27(In 3-12, omit the focus and directrix.)
32	11.2	p756: 2,5,8,10,12,13,16,17,18,21,23,30,31,45,46 (In 2-13 Omit the foci.)
33	11.3	p769: 1,3,6,8,11,12,14,16 (Omit the foci, but find the asymptotes.)

**Class on Wednesday, November 14<sup>th</sup> is an optional review session**  
**Exam 3 is on Thursday, November 15<sup>th</sup> from 6:30 PM to 7:30 PM**

34	11.3	p770: 26,27,29,31,33,34,49
35	11.4	p779: 2,3,5,7,9,12,13
36	11.4	p779: 15,16,17,23,25,27
37	11.5	p793: 35,37,41,44,45,46,47,48,49,50,53
38	11.5	p793: 1,4,5,8,9,10,13,14
39	11.5	p793: 16,18,22,23,24,57,58,59,60,61,71

**Review Wednesday, December 5<sup>th</sup>**  
**Review Friday, December 7<sup>th</sup>**

There is a two-hour final exam during finals week. The date and time of the final will be announced during the semester. It may be assigned as late as Saturday, December 15<sup>th</sup>.  
**Individuals will not be granted early finals to accommodate travel plans.**

The course page is located at:

<http://www.math.purdue.edu/academics/courses/coursePages/fall01/ma154>

There will also be a link to course pages at: <http://www.math.purdue.edu>

At the course web page you will find links to this assignment sheet, the ground rules for the course, the solutions to the even homework problems, instructor information, and the semester schedule. Before each mid-term exam there will be links to the list of review questions, old exams along with their answers, and room assignments for each section. After each mid-term exam the solutions and grade cutoffs will be linked. Individual instructors may also maintain class pages and their locations will be linked.