

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

A 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.

Graphing calculators or programmable calculators may not be used on quizzes or exams.

You must provide work and analysis similar to what is shown in the textbook and demonstrated by your instructor whenever the graph of a function or equation is asked for in a problem.

All quiz and exam responses should be written clearly with sufficient work shown to justify the answer. Let me repeat that: **All quiz and exam responses should be written clearly with sufficient work shown to justify the answer.** Whenever possible, check your answer.

The course Web page is: www.math.purdue.edu/academics/courses/coursePages/fall01/ma151

Lesson Hw due Sections Assignment

1	8/21	1.2	p25: 2, 4, 5, 6, 7, 8, 10, 12, 13, 16, 20, 23, 24, 31, 32, 49, 52, 54, 58, 60, 92, 94, 95, 97, 98
2	8/23	1.2 & 1.3	p25: 36, 37, 41, 42, 45, 64, 65, 67, 68, 70, 78 p38: 4, 6, 10, 17, 18, 22, 24, 33, 38, 46, 47, 50, 56, 58, 62, 68
3	8/28	1.3 & 1.4	p39: 64, 72, 76, 92, 97, 98, 100 p47: 2, 3, 4, 5, 6, 10, 15, 18, 22, 43, 44
4	8/28	1.4	p48: 11, 14, 26, 41, 42, 45, 46, 50, 52, 56, 57, 66, 68
5	8/30	1.4 & 2.1	p48: 47, 48, 69, 72, 74, 76, 78 p60: 2, 4, 5, 6, 7, 10, 12, 21, 34, 37, 40, 52, 55, 63, 66
6	9/4	2.1 & 2.2	p62: 44, 68, 69, 70, 71 p71: 1, 4, 6, 8, 9, 12, 14, 15, 17
7	9/6	2.2	p72: 18, 19, 20, 21, 23, 24, 25, 28
8	9/11	2.2 & 2.3	p73: 29, 30, 31, 33, 34, 36 p82: 2, 5, 12, 14, 20, 22, 26, 28, 33, 34, 53, 54, 55
9	9/11	2.3	p83: 36, 40, 44, 48, 50, 57, 58, 60, 61, 70, 72, 74

Tuesday September 11 EXAM 1

10	9/13	2.4	p92: 3, 4, 8, 12, 15, 18, 19, 22, 29, 30, 35, 36, 38, 39, 42, 46, 48, 50, 52, 53
11	9/18	2.6	p108: 2, 4, 8, 14, 18, 22, 29, 30, 42, 44, 51, 54, 58, 64, 70, 75, 76, 78, 82, 83, 84
12	9/18	2.7	p116: 2, 3, 8, 10, 14, 16, 20, 24, 25, 28, 30, 42, 44, 45
13	9/20	3.1	p129: 2, 6, 8, 10, 14, 16, 19, 22, 24, 25, 26, 28, 30, 31, 34
14	9/25	3.2	p142: 14, 17, 22, 25, 28, 31, 34, 36, 40, 41, 44, 46, 47, 50, 51, 60, 62, 64, 66, 68
15	9/25	3.3	p156: 16, 18, 20, 22, 25, 26, 27, 30, 31, 32, 34, 38, 42, 43, 44, 47, 48, 52, 53, 56, 60, 61
16	9/27	3.4	p172: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18
17	10/2	3.4	p172: 22, 26, 27, 28, 30, 34, 35, 40, 42, 53, 55, 56, 60, 61, 64a, 66
18	10/2	3.5	p186: 2, 4, 6, 8, 16, 20, 27, 28, 29, 31, 44, 46, 48
19	10/4	3.5 & 3.6	p186: 27, 28, 29, 30, 32, 33, 36, 38, 50, 51, 52, 54 p198: 7, 10, 12, 13, 14, 18, 23, 24, 28, 31
20	10/11	3.6	p198: 20, 26, 30, 32, 34, 36, 39, 44, 45, 48, 49, 50, 53, 54
21	10/11	3.7	p210: 2, 4, 6, 10, 14, 18, 23, 24, 26, 32, 36, 38, 40
22	10/16	3.7 & 3.8	p211: 45, 46, 49, 50, 55, 56, 58, 60 p220: 1, 4, 6, 7, 12, 17, 18, 20, 22, 33, 35

Lesson Hw due Sections Assignment

23	10/16	3.8 & 3.9	p221: 24, 26, 27, 34, 36, 38 p226: 3, 4, 6, 9, 12, 13, 14, 16, 17, 20, 21, 22, 24
24	10/18	4.1 & 4.2	p244: 2, 4, 12, 15, 16, 18, 20, 24, 26, 29, 34, 35ab, 38 p252: 2, 4, 5, 8, 50a

Thursday October 18 EXAM 2

25	10/23	4.3 & 4.5	p263: 1, 2, 4, 12, 14 p288: 1, 2, 3, 6, 7, 8, 10, 12, 14, 18
26	10/23	4.5	p288: 22, 24, 25, 28, 29, 32, 34, 36, 37, 38, 39, 40, 43, 44
27	10/25	5.1 & 5.2	p301: 2, 10, 12, 14, 16, 21, 22, 24, 26, 27, 29, 30, 34, 36 p312: 1, 2, 3, 5, 6, 13, 14, 16
28	10/30	5.2 & 5.3	p312: 7, 8, 11, 12, 17, 18, 20, 22, 23, 24, 26, 28, 32 p326: 2, 4, 10, 12, 14, 16
29	10/30	5.3	p326: 18, 25, 24, 26, 28, 30, 32abcdei, 46, 49, 56, 58, 59, 66, 68
30	11/1	5.3 & 5.4	p326: 32fghjk, 38, 40, 42 p335: 2, 4, 6, 7, 8, 10, 11, 13, 18, 22, 23
31	11/6	5.4 & 5.5	p335: 14, 16, 26, 30, 31, 41, 40, 44, 49, 50, 52 p345: 2, 3, 4, 6, 10, 16, 40, 41, 42
32	11/6	5.5 & 6.1	p345: 11, 12, 18, 20, 47, 48, 51, 52, 55 p361: 2, 4, 5, 6, 8, 9, 10, 14, 22, 24, 25, 26, 28
33	11/8	6.1	p361: 17, 18, 30, 31, 32, 33, 34, 36, 37ad, 38, 44, 45, 46

Thursday November 8 EXAM 3

34	11/13	6.2	p376: 2, 4, 5, 7, 16, 17, 18, 20, 28, 30, 31, 33, 50, 52, 58, 59, 68, 72, 73, 76, 80
35	11/13	6.2 & 6.3	p377: 10, 14, 21, 22, 24, 78, 83, 82, 86 p395: 18, 20, 27, 28, 29, 30, 31, 32, 41, 42, 43, 46, 49, 50, 56, 58, 59, 74
36	11/15	6.4	p404: 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24, 25, 30, 36acf, 38bde, 41, 43, 44
37	11/20	7.2 & 6.5	p464: 1, 2, 3, 4, 5, 6, 7 p416: 1cdf, 3egh, 6, 7, 10, 12, 16, 21, 26, 28 (On page 464, problems 1--7, use the graphs of the functions and of the given constants to find all the solutions in $[0, 2]$.)
38	11/20	6.5 & 6.7	p417: 32, 38, 41, 42, 43, 44, 46, 52, 55, 56 p436: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 25, 26
39	11/27	6.7	p436: 32, 33, 34, 39, 41, 43, 44, 45, 46, 47, 48, 50, 51
40	11/29	7.4	p484: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
41	12/4	9.1	p580: 2, 3, 8, 11, 14, 20, 21, 23, 24, 31, 32, 33, 34, 35, 40 (For the first 7 problems, also graph both equations and find the intersections.)
42	12/4	9.2, 9.3 & 11.5	p588: 2, 10, 12, 26, 27, 28, 32, 33, 38, 44a p603: 1, 8 p793: 1, 2, 3, 4, 35, 36, 37, 38, 41, 42, 43, 44, 45, 46 (On page 588, use the method of substitution, <u>not</u> elimination.)
43	12/6	11.5	p793: 5, 6, 8, 12, 14, 18, 20, 48, 49, 50, 58, 60, 61, 67, 68, 72

There will be three evening exams and there is a two-hour final during finals week, December 10--15, 2001.