

## Math 96: Homework, Blitzer Text, 5<sup>th</sup> Edition Updated 01-01-10

The following is a list of homework problems. It may be necessary for you to do additional problems in sections that are difficult for you. It is also expected that you read each section covered on your own and watch the DVD lectures for additional instruction if needed or if you miss a class. Quiz work with corrections shown and attached corresponding homework also with corrections shown will be collected during the next class following the quiz due date unless it is a review day. In that case, turn it in on the test day. Work done daily and completely will make test preparation significantly easier. Keep up with your assignments and do some review work 3-4 times per week!

### Exam 1

Section 1.4 Solving linear equations	pg 46: 5, 7, 13, 17, 21, 31, 37, 39, 41, 47, 67, 69
Section 1.5 Problem solving & formulas	pg 60: 17-69 odd
Section 2.1 Intro to functions	pg 102: 1 - 29 odd
Section 2.2 Graphs of functions	pg 111: 1 – 51 odd, 52, 55
Section 2.4 Linear functions & slope	pg 140: 1 - 59 every other odd; 61 - 73 odd; 75 - 78 all
Section 2.5 Point-slope form of line	pg 150: 1, 11, 13, 15, 19, 23, 27, 29, 33, 39, 45, 49 - 55 odd, 67, 69, 71
Section 4.1 Solve linear inequalities	pg 249: 1-33 Every other odd, 35-43 odd, 61-79 odd
Section 4.2 Compound inequalities	pg 258: 1 - 61 odd, 75-83 odd
Section 4.4 Linear inequ in 2 variables	pg 283: 1 - 63 odd

<u>Chapter</u>	<u>Ch Test- Use Test Prep CD for videos</u>	<u>Ch Review</u>
Ch 1	p 93 all: 21-30;	pg 91: 59-85
Ch 2	pg 162 all: 1-11 & 18-27;	pg 160: 1-19, 37-53, 55-59 odd
Ch 4	pg 300 all: 1-12 all, 18-23;	pg 298: 1-27, 38-52

Test 1 Review is in the HW button in MML by test date & time for up to 4 extra credit points (See syllabus)

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### Exam 2

Section 3.1 Systems of equ in 2 variables	pg 177: 1 - 75 every other odd, 67, 93, 95, 106, 107
Section 3.2 Problem solving using systems	pg 192: 1 – 49 every other odd, 11, 27, 35, 47, 59, 60, 63
Section 3.3 Systems with 3 variables	pg 202: 1 – 27 every other odd, 27, 35-45 odd, 51, 55
Section 3.4 Matrix solutions	pg 216: 1 – 35 odd, 41, 43, 53, 54 ( <i>If covered</i> )
Section 5.1 Polynomials & polyn functions	pg 312: 5-19 odd, 21-29 all, 53, 65 - 73 odd,
Basic quadratic and cubic functions	pg 111: 1-9 odd
Section 5.7 Polyn functions & applications	pg 376: 1 - 35 odd, 41, 45, 65 - 75 odd, 83

<u>Chapter</u>	<u>Ch Test- Use Test Prep CD for videos</u>	<u>Ch Review</u>
Ch 3	p. 237: 1-16 all	pg 235: 1-7 all, 9-13 odd, 14-26 all, 28-36 all
Ch 5	p. 1-7, 16-37, skip 20, 24, 28, 30, 31	pg 385: 1-10, 13, 93-102, & 52-62 practice

Test 2 Review is in the HW button in MML by test date & time for up to 4 extra credit points (See syllabus)

### Exam 3

Section 7.1 Radical expressions & func	pg 494: 1 - 25 odd; 27-32 all, 33-92 odd, 101
Section 1.6 Properties of integer exponents	pg 73: 9, 11, 23, 27, 29, 43, 47, 51, 55, 61, 69, 77, 81, 87, 95, 107, 109, 123
Section 7.2 Rational exponents	pg 504: 3, 5, 11, 15, 17, 23, 27, 37, 39, 45, 49, 51, 55, 61, 69, 71, 79, 83, 89, 93, 97, 101, 109, 111, 125-131
Section 7.7 Complex numbers (omit ex 6)	pg 551: 1 – 61 at least odds, 85-101 odd, 115
Section 8.1 Sq Root Prop & Compl Square (omit examples 5-7)	pg 571: 1 – 21 odd, 75-89 odd (objectives 1 & 4 only)
Section 8.2 Quadratic formula	pg 585: 1 - 41 odd, 61-64 all, 73, 77, 79
Section 8.3 Quadratic function & graphs	pg 602: 5-8 all, 13, 15, 27-43 odd, 57-67 odd, 71
Section 9.1 Exponential functions	pg 648: 1-9 odd, 11-16 all, 17, 21, 25-33 odd, 39-51 odd,, 53-59 odd
Section 9.3 Log functions	pg 677: 1 – 45odd, 53, 55, 59-63 odd, 87-93 odd

<u>Chapter</u>	<u>Ch Test- Use Test Prep CD for videos</u>	<u>Ch Review</u>
Ch 1	p. 94: 1, 6, 7, 24, 31-35	pg 92: 1-15, 87 - 101 odd
Ch 7	p. 559: 2-5, 8-17, 25-28, 30	pg 557: 16 – 32 odd, 87 – 96 odd
Ch 8	p. 636: 1-4, 6-12, 15, 17-20	pg 634: 1 – 7 odd, 14-25 odd, 30-32 all, 35-41 all
Ch 9	p. 728: 1-2, 6-13, 26-31	pg 724: 1 – 11 all, 24 – 39 all, 41, 42, 49, 51

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Section 11.1 Sequences & series	pg 800: 1 – 47 odd, 57-63 odd
Section 11.2 Arithmetic sequences	pg 810: 1- 49 odd, 61-65 odd, 69, 71
Section 11.3 Geometric sequences & series Omit ex 8-10 for obj 6	pg 825: 1 - 43 odd, 59 – 63 odd, 75-91 odd ( <i>If covered</i> )
Chapter 11 Review	pg 840: 1 – 41 odd, 49-53 odd

**Proper review for tests is important to success in math. The daily work that you have done will be very helpful in this process. The more practice that you have before test day, the more confidence you will have on the test.**

**Here are some suggestions on how to review for your exams:**

1. Create review (flash) cards from each homework assignment (one of each type of problem). Randomly select and do a few review cards 3-4 times per week and check your answers. Put an X on the front of the card if wrong and a check if correct.
2. Review all homework problems. Mark and rework those with which you had trouble.
3. Review all terms and procedures.
4. There will be writing questions on the test. All writing questions must be answered with complete sentences and correct mathematical terminology.
5. Review all quiz problems and redo those problems that you got wrong.
6. Review all handouts.
7. Work through all review assigned exercises from Chapter Reviews and Chapter Tests. If you have difficulty with any concept, try to find a similar problem on the chapter test. Watch the solution of that problem on the Test Prep Video.
8. Calculators may or may not be allowed on an exam, so be prepared not to be able to use them.
9. Use instructor office hours, peer tutoring and the Math Center to get individual help weekly.