

COURSE: ALGEBRA FOR TECHNOLOGY (MATH-1700)

TEXTBOOKS: (1) Applied Algebra II -- by McHale and Witzke
 (2) Topics to Accompany Applied Algebra II

****NOTE(1):** Step-by-step solutions to all required highlighted odd-numbered Supplementary Problems, as indicated below, must be kept in a notebook. YOUR NOTEBOOK SHALL BE AVAILABLE FOR REVIEW BY YOUR INSTRUCTOR BEFORE AND AFTER EACH TEST; You must bring this with you when you take a test. Do not take a test until you are able to at least do the Supplementary Problems (as indicated below) without relying on sample problems and/or answers in the back of the book.

NOTE(2): **EACH TEST WILL INCLUDE SOME PROBLEMS BASED ON PREVIOUS CHAPTERS STUDIED.**

NOTE(3): A non-graphing, non-programmable scientific calculator supplied by the Math Lab may be used when testing.

NOTE(4): Answers to all Supplementary Problems are found in the back of each book.

NOTE(5): All homework exercises listed below should be done. Answers are available in back of the text.

NOTE(6): TO BE ABLE TO FINISH YOUR COURSE ON TIME, YOU SHOULD COMPLETE THE REQUIRED MATERIAL FOR A TEST AND PASS EACH TEST BEFORE EACH GUIDELINE (NOT DEADLINE) DATE INDICATED.

NOTE(7): It is your responsibility to check the Math Lab bulletin board and hand in an attendance slip each time you attend the Lab (including testing).

2010	TITLE	CHAPTER	READ PAGES	DO HOMEWORK EXERCISES/COMMENTS
TEST 1 Should be taken during the week of Sep. 20	FROM BOOK (2) STUDY TOPIC 1: <u>A REVIEW OF ELEMENTARY ALGEBRA</u> **Supplementary Problems	1	1-39 4,24,25,31,32 40,41	All Self-Tests Odd numbers Odd-numbers, except assign. 27 on page 40.
	FROM BOOK (1) Polynomials **Supplementary Problems		1-55 56,57	All Self-Tests and problem #205. Odd numbers and, $3x-1 \overline{) 6x^2 + 7x - 1} \quad \text{ans. } 2x + 3 + \frac{2}{3x-1}$
TEST 2 Should be taken before or during the week of Oct. 4	FROM BOOK (1) Linear Equations **Supplementary Problems	2	58-104 [Skip pg. 59, frames 6 & 7.] 105-108	All Self-Tests, omit question #1, page 75 Odd numbers starting with 7.
	FROM BOOK (2) STUDY TOPIC 2: QUADRATIC EQUATIONS		42-89 See NOTE (2).	All Self-Tests and Odd-numbered Supplementary Problems.
TEST 3 Should be taken before or during the week of Oct. 18	FROM BOOK (1) Square Root Radicals **Supplementary Problems	3	109-165 166-168 See NOTE (2).	All Self-Tests Odd numbers
TEST 4 Should be taken before or during the week of Nov. 1	FROM BOOK (1) Radical Equations & Formulas ** Supplementary Problems	4	169-201 [Skip pgs 202-210.] 211 212-213 214	All Self-Tests Omit Nos. 4-9 Odd numbers Odd numbers except 9-19,23,25-29.
	NOTE (8): Omit all of Chapter 5: Functions. FROM BOOK (1) Exponents, Powers & Roots ** Supplementary Problems		6	262-298 299-301 See NOTE (2).
TEST 5 Should be taken before or during the week of Nov. 15	FROM BOOK (1) Common Logarithms **Supplementary Problems	7	302-326 [Skip pgs 327-331.] 332-336 337,338 338-348 349-352 See NOTE (2).	All Self-Tests All Self-Tests Omit Nos. 1-11 Self-Test 24 Odd numbers except 1,3,5,7,9 on pg. 351.
TEST 6 Should be taken before or during the week of Nov.29	FROM BOOK (2) STUDY TOPIC 3: SYSTEMS OF TWO EQUATIONS FROM BOOK (1) Systems of Three Equations and Determinants **Supplementary Problems	9	90-136 401-419 [Skip pgs. 420,421.] 422,423 423-431 432,433 See NOTE (2).	All Self-Tests and Odd-numbered Supplementary Problems. Self-Test 28 Omit No.3 in Self-Test 29 Self-Test 30 Odd numbers., except 7,9 of assignment 29.