| Synonym and Section: 0370.026  | <b>Office Hours</b> : MW 8:30 – 8:55 a.m.                  |
|--------------------------------|--|
| (23570)                        | MW 10:20 – 11:00 a.m.                                      |
| Time: TTh 10.55 – 12:40 pm     | MW 2:50 – 3:05 p.m.  |
| Classroom: NRG 3232            | TTh 10:00 – 10:50 a.m.                                     |
|                                | TTh 12:45 – 1:05 pm  |
| Instructor: Dr. Mary Parker    | By appointment: Email to request an appointment at least a |
| Office Number: NRG 2147        | day in advance. Please suggest some choice of times.       |
| <b>Office Phone</b> : 223-4846 |  |
| (fax 223-4641)                 | https://pearsonmylabandmastering.com (Math learning)       |
| Email: mparker@austincc.edu    | http://acconline.austincc.edu/ (Blackboard course          |
| Web: www.austincc.edu/mparker  | management software)                                       |

#### MATD 0370 Elementary Algebra First Day Handout for Students

**Prerequisite:** C or better in Basic Math Skills (MATD 0330), or its equivalent knowledge, or a passing score on the MATD 0370 placement test

## **Required Texts/Materials:**

**Getting started in the course**: You must start working problems in the course by the end of the first day of class. You can access all the material free online for 17 days by signing up for a temporary account in MyMathLab. Instead, you can access the text of the first two chapters online without signing up for anything, but you don't get answer keys. Information about both options is at <a href="http://www.austincc.edu/mthdept2/text/">http://www.austincc.edu/mthdept2/text/</a> The password for the material you DON'T have to sign up for is acc0370

<u>MyMathLab access</u>: MyMathLab is optional in this section of MATD 0370. All *new* textbooks purchased at an ACC bookstore include MyMathLab access. It \_may not be included with the purchase of a used book, and may not be included with a new book purchased at a different bookstore. Refer to the handout *Information about MyMathLab*. That handout includes a different set of homework assignments, which has about half the assignments online and half to be submitted on paper. If you are using this method for a particular section, then you must write "Also see online homework" at the top of your paper homework for that section. I recommend this method of learning, rather than having all paper assignments.

Supplemental Materials: Rectangular coordinate graphing paper, Scientific calculator

**Course Rationale:** Welcome to Elementary Algebra. As with all developmental math courses, Elementary Algebra is designed to provide you with the mathematical foundation and personal confidence to enable you to use mathematics in your future life. This course is designed to prepare you for MATD 0390 (Intermediate Algebra) and the algebra-based courses that follow it or for MATD 0385. It also offers you one way to prepare for MATH 1332 (College Math, formerly Topics in Math), MATH 1342 (Elementary Statistics), and MATH 1333 (Math for Measurement) after you have passed the math portion of the state-approved test, like THEA or TCOMPASS.

**Course Description (MATD 0370 Elementary Algebra):** A course designed to develop the skills and understanding contained in the first year of secondary school algebra. Topics include review of

Elementary Algebra, Concepts and Applications incl MyMath Lab, 8<sup>th</sup> Edition, Bittinger & Ellenbogen; Pearson. (ISBN 0-321-61615-4)Hardback (ISBN 0-321-6737+3-5) Loose Leaf. Stand alone text without MyMath Lab 0-321-55717-4

operations on real numbers, graphing linear equations, solving linear and quadratic equations, solving systems of linear equations, polynomials, factoring, and applications.

Instructional Methodology: This course is taught in the classroom as a lecture/discussion course.

Attendance: Attendance is required in this course. Students who miss more than 10% of the class hours (more than four whole classes in this class) may be withdrawn. TSI-mandated students who have excessive absences will be withdrawn.

## TSI Warning for students who are not TSI complete\*

- Students who are not TSI complete in math are not allowed to enroll in any course with a math skill requirement.
- All students are required to be "continually in attendance" in order to remain enrolled in this course. If this is the only developmental class you are enrolled in, and you withdraw yourself from this course or are withdrawn by your instructor, then:
- a) You may be withdrawn from courses that you should not be enrolled in, such as any class with a math skill requirement.
- b) You will have a hold placed on your registration for the following semester. The Hold will require that you register for the next semester in person with an advisor or counselor and that you work with the Developmental Math Advisor during that semester.
- c) You will continue to face more serious consequences, up to being restricted to only registering for developmental courses, until you complete the required developmental math course or satisfy the TSI requirement in another way.

More information can be found at http://www.austincc.edu/math/tsiwarning.htm .

\* If you are unsure whether or not this warning applies to you, see an ACC advisor immediately.

#### **Importance of Completing Developmental Course Requirements**

The first steps to achieving any college academic goal are completing developmental course requirements and TSI requirements. The first priority for students who are required to take developmental courses must be the developmental courses. TSI rules state that students are allowed to take college credit courses, if they are fulfilling their developmental requirements. Because successful completion of dev courses is so important, ACC will intervene with any student who is not successfully completing developmental requirements. This intervention can mean a hold on records, requiring developmental lab classes, working with the Dev Math Advisor, and monitoring during the semester.

#### **Course Evaluation/Grading Scheme:**

| Percentage  |  |  |  |
|---|--|--|--|
| 8%  | Homework   |  |  |
| 9%  | In-class quizzes                                 |  |  |
| 3%  | Attendance / Participation                       |  |  |
| 60%   | Tests 1-4 (equally weighted)                     |  |  |
| 20%   | Test 5 / Final Exam                              |  |  |
|   |  |  |  |
| A: 9  | 0-100; B: 80-89; C: 70-79; D: 60-69; F: below 60 |  |  |
| IP: below 70 AND met the minimum time and participation requirements ALL SEMESTER |  |  |  |

• **Homework**. Turn in homework once a week on Tuesday at the beginning of class. This homework will include all the sections of material covered in the previous week. (See the calendar for the list.) Late paper homework turned in on Thursday will have a 25% penalty

and late paper homework turned in the following Tuesday will have a 50% penalty. No homework will be graded if it is more than a week late. There will be 15 weekly homework assignments. The lowest two grades will be dropped at the end of the semester before the homework grades are averaged.

- **In-class quizzes**. Each Thursday there will be an in-class quiz. Some will be open-book and some will be closed-book. The lowest two quiz grades will be dropped at the end of the semester before the quiz grades are averaged.
- Attendance / Participation. Students who attend the entire class every day receive 100 on this grade. Three points is deducted from this grade for every whole class missed, and one or two points deducted for missing part of a class.
- **Discussion Board**. A Discussion Board will be available in Blackboard and suggested topics for discussion presented. While it is not a formal part of the grading in the course, you can earn back some points you missed for attendance / participation by appropriate participation in the Discussion Board. More details are available on the Discussion Board.
- **Test Reviews**. These will be provided before each test, from the Chapter Tests in the book. While they are not counted in your grade in the course, you are expected to do them, and must turn them in order to be eligible to drop a test grade. These assignments will be provided in a handout at least a week before the test.
- **Tests**: 100 points each. 20-25 problems, some with two parts. All to be worked out, showing all work, as in the paper homework. Grades recorded in Blackboard, and an email message is sent to each student when a test grade is recorded. Under some circumstances, the Test 5/Final Exam grade will be used to replace the lowest grade of Tests 1-4. (If you miss a test, you will receive a zero, and then that will be your lowest test grade.) That depends on having done at least 2/3 of the quizzes for the appropriate material on time and the Test Review at the appropriate time.

## **Course Policies**

**In-Progress Grade**: A student who is regularly doing all assigned work but is still not earning a grade of C or higher, might be eligible for the IP (in progress) grade. An IP is a neutral grade with respect to the student's GPA (it is not counted), but it might be treated like a W (non-completion) for the purposes of financial aid. Students who receive an IP grade are expected to retake (register and pay for) the course in the next semester they are enrolled at ACC. Students may not receive more than 2 IPs in this course (or in any given developmental course.) (IPs are only given in developmental courses - not in college-level courses.)

**Reinstatement policy:** Students who withdraw or are withdrawn generally will not be reinstated unless they have completed all course work, projects, and tests necessary to place them at the same level of course completion as the rest of the class. After the last day to withdraw, neither the instructor nor the student may complete a reinstatement into the course.

#### **Course-Specific Support Services**

• *Learning Lab:* ACC main campuses have Learning Labs that offer free tutoring (first-come first-serve) in mathematics courses. The locations, contact information, and hours of availability of the Learning Labs are available from http://www.austincc.edu/tutor. Students who need regular tutoring are encouraged to use the Learning Labs before they get very far behind.

- *Software:* MyMathLab has many tutoring resources in it. See "Help Me Solve It" and "Show an Example" etc in the online homework.
- *Pearson tutoring:* Pearson has a tutoring center that is available by phone for students using any of their texts. Information about the service can be found at www.aw-c.com/tutorcenter/. Hours of operation are Sun-Thur: 4 PM 11 PM Central time. Students toll-free: 1.800.877.3016

  Instructor info: 1.800.666.8801

  Fax: 1.877.262.9774

  Email Questions: mtutor@pearson.com

#### **General Policies and Information for ACC Students**

<u>Attendance/Class Participation:</u> Regular and punctual class and laboratory attendance is expected of all students. If attendance or compliance with other course policies is unsatisfactory, the instructor may withdraw students from the class.

<u>Withdrawal Policy:</u> It is the responsibility of each student to ensure that his or her name is removed from the roll should he or she decide to withdraw from the class. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary. If a student decides to withdraw, he or she should also verify that the withdrawal is submitted <u>before</u> the Final Withdrawal Date. The student is also strongly encouraged to retain their copy of the withdrawal form for their records.

Students who enroll for the third or subsequent time in a course taken since Fall 2002 may be charged a higher tuition rate, for that course. State law permits students to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the ACC college catalog.

**Incomplete Grade Policy:** "Incomplete grades (I) will be given only in very rare circumstances. Generally, to receive a grade of "I", a student must have taken all examinations, be passing, and after the last date to withdraw, have a personal tragedy occur which prevents course completion. An incomplete grade cannot be carried beyond the established date in the following semester. The completion date is determined by the instructor but may not be later than the final deadline for withdrawal in the subsequent semester.

**Statement on Scholastic Dishonesty:** A student attending ACC assumes responsibility for conduct compatible with the mission of the college as an educational institution. Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression. Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations. Actions constituting scholastic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, collusion, and falsifying documents. Penalties for scholastic dishonesty will depend upon the nature of the violation and may range from lowering a grade on one assignment to an "F" in the course and/or expulsion from the college. See the Student Standards of Conduct and Disciplinary Process and other policies at <a href="http://www.austincc.edu/current/needtoknow">http://www.austincc.edu/current/needtoknow</a>

<u>Student Rights and Responsibilities:</u> Students at the college have the rights accorded by the U.S. Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility to accord the same rights to others in the college community and not to interfere with or disrupt the educational process. Opportunity for students to examine and question pertinent data and assumptions of a given discipline, guided by the evidence of scholarly research, is

appropriate in a learning environment. This concept is accompanied by an equally demanding concept of responsibility on the part of the student. As willing partners in learning, students must comply with college rules and procedures.

**Statement on Students with Disabilities:** Each ACC campus offers support services for students with documented disabilities. Students with disabilities who need classroom, academic or other accommodations must request them through the Office for Students with Disabilities (OSD). Students are encouraged to request accommodations when they register for courses or at least three weeks before the start of the semester, otherwise the provision of accommodations may be delayed.

Students who have received approval for accommodations from OSD for this course must provide the instructor with the 'Notice of Approved Accommodations' from OSD before accommodations will be provided. Arrangements for academic accommodations can only be made after the instructor receives the 'Notice of Approved Accommodations' from the student.

Students with approved accommodations are encouraged to submit the 'Notice of Approved Accommodations' to the instructor at the beginning of the semester because a reasonable amount of time may be needed to prepare and arrange for the accommodations. Additional information about the Office for Students with Disabilities is available at <u>http://www.austincc.edu/support/osd/</u>

**Safety Statement:** Austin Community College is committed to providing a safe and healthy environment for study and work. You are expected to learn and comply with ACC environmental, health and safety procedures and agree to follow ACC safety policies. Additional information on these can be found at <a href="http://www.austincc.edu/ehs">http://www.austincc.edu/ehs</a>. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the Emergency Procedures poster and Campus Safety Plan map in each classroom. Additional information about emergency procedures and how to sign up for ACC Emergency Alerts to be notified in the event of a serious emergency can be found at: <a href="http://www.austincc.edu/emergency/">http://www.austincc.edu/emergency/</a>

Please note, you are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.

You are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be immediately dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.

**Use of ACC email:** All College e-mail communication to students will be sent solely to the student's ACC mail account, with the expectation that such communications will be read in a timely fashion. ACC will send important information and will notify you of any college related emergencies using this account. Students should only expect to receive email communication from their instructor using this account. Likewise, students should use their ACCmail account when communicating with instructors and staff. Instructions for activating an ACCmail account can be found at <a href="http://www.austincc.edu/accmail/index.php">http://www.austincc.edu/accmail/index.php</a>

**Testing Center Policy:** Under certain circumstances, an instructor may have students take an examination in a testing center. Students using the Academic Testing Center must govern themselves according to the Student Guide for Use of ACC Testing Centers and should read the entire guide before going to take the exam. To request an exam, one must have:

2)

- 1. <u>ACC Photo ID (info at http://www.austincc.edu/support/admissions/student\_id.php)</u>
- 1) Course Abbreviation (e.g., ENGL) (For this course MATD)
  - Course Number (e.g., 1301) (For this course 0370)
- 3) Course Synonym (e.g., 10123)
- 4) Course Section (e.g., 005)
- (See information at the top of the first page here.) (For this course: Mary Parker)

(See information at the top of first page here.)

- 5) Instructor's Name
  - ng Center. Having your cell phone in the testing room.

Do NOT bring cell phones to the Testing Center. Having your cell phone in the testing room, **regardless of whether it is on or off**, will revoke your testing privileges for the remainder of the semester. ACC Testing Center policies can be found at <u>http://www.austincc.edu/testctr/</u>

<u>Student and Instructional Services</u>: ACC strives to provide exemplary support to its students and offers a broad variety of opportunities and services. Information on these services and support systems is available at <u>http://www.austincc.edu/s4/</u>

Links to many student services and other information can be found at <a href="http://www.austincc.edu/current/">http://www.austincc.edu/current/</a>

ACC Learning Labs provide free tutoring services to all ACC students currently enrolled in the course to be tutored. The tutor schedule for each Learning Lab may be found at: <u>http://www.autincc.edu/tutor/students/tutoring.php</u>

For help setting up your ACCeID, ACC Gmail, or ACC Blackboard, see a Learning Lab Technician at any ACC Learning Lab: <u>http://www.austincc.edu/tutor/locations.php</u>

# COMMON COURSE OBJECTIVES FOR MATD 0370 ELEMENTARY ALGEBRA (Revised October 2009):

The following objectives are listed in a sequence ranging from the simple to the more complex. As such, this document should not be viewed as a chronological guide to the course, although some elements naturally will precede others. These elements should be viewed as mastery goals which will be reinforced whenever possible throughout the course.

Overall objectives:

- A. Students will feel a sense of accomplishment in their increasing ability to use mathematics to solve problems of interest to them or of use in their chosen fields. Students will attain more positive attitudes based on increasing confidence in their abilities to learn mathematics.
- B. Students will learn to understand material using standard mathematical terminology and notation when presented either verbally or in writing.
- C. Students will improve their skills in describing what they are doing as they solve problems using standard mathematical terminology and notation.

1. Description and classification of whole numbers, integers, and rational numbers using sets and the operations among them

- a. identify and use properties of real numbers
- b. simplify expressions involving real numbers
- c. evaluate numerical expressions with integral exponents
- 2. Polynomials
  - a. distinguish between expressions that are polynomials and expressions that are not
  - b. classify polynomials in one variable by degree and number of terms
  - c. simplify polynomials
  - d. add, subtract, multiply (including the distributive law), and divide polynomials (including division by monomials, but excluding long division)
  - e. factor polynomials in one or more variables (including factoring out the greatest common factor, factoring by grouping, factoring trinomials in which the leading coefficient is one, factoring trinomials in which the leading coefficient is not one, and factoring the difference of two squares)
  - f. understand and use the exponent laws involving integer exponents
  - g. convert numbers into and out of scientific notation and perform multiplication and division with numbers written in scientific notation

3. Solve linear equations in one variable involving integral, decimal, and fractional coefficients and solutions

- 4. Solve and graph linear inequalities
- 5. Application problems
  - a. write and evaluate linear expressions from verbal descriptions
  - b. solve application problems which lead to one of the following types of equations: linear equations in one variable, systems of two linear equations in two variables, quadratic equations, and rational equations with monomial numerators and denominators)
  - c. solve literal equations for a specified variable using addition and multiplication principles
  - d. use given data to estimate values and to evaluate geometric and other formulas
  - e. solve problems involving the Pythagorean theorem, similar triangles, and proportions
- 6. Linear equations in two variables
  - a. identify the relationship between the solution of a linear equation in two variables and its graph on the Cartesian plane
  - b. understand and use the concepts of slope and intercept
  - c. determine slope when two data points are given
  - d. graph a line given either two points on the line or one point on the line and the slope of the line
  - e. write an equation of a line given one point on the line and the slope of the line, or two points on the line
  - f. identify lines given in standard, point-slope, or slope-intercept forms and sketch their graphs
  - g. solve systems of linear equations
- 7. Quadratic equations
  - a. find solutions to quadratic equations using the technique of factoring and using the principle of square roots
  - b. recognize a need to use the quadratic formula to solve quadratic equations and solve quadratic equations by using the quadratic formula when some simplification of square roots is needed
- 8. Description and classification of irrational numbers

- a. simplify radical expressions
- b. use decimal approximations for radical expressions
- 9. Rational expressions
  - a. determine for which value(s) of the variable a rational expression is undefined
  - b. simplify rational expressions containing monomials, binomials, and trinomials
  - c. multiply and divide rational expressions containing monomials, binomials, and trinomials
  - d. add and subtract rational expressions with like denominators and rational expressions with unlike denominators (only monomials and binomials that do not require factoring)
- 10. Geometry
  - a. understand the difference between perimeter and area and be able to use formulas for these appropriately
  - b. solve application problems involving angles and polygons

| Wk | dates          | Material covered               |
|----|----------------|--------------------------------|
| 1  | Jan 14 – 20    | Introduction, Pretest, 1.1-1.6 |
| 2  | Jan 22 – 27    | 1.7, 1.8, 2.1-2.3              |
| 3  | Jan 28 – Feb 3 | 2.4-2.6, Test 1                |
| 4  | Feb 4 – 10     | 3.1-3.4                        |
| 5  | Feb 11 – 17    | 3.5-3.7                        |
| 6  | Feb 18 – 24    | 4.1-4.3, Test 2, 4.4           |
| 7  | Feb 25 – Mar 3 | 4.5-4.8, 5.1                   |
| 8  | Mar 4 – 10     | 5.2-5.5                        |
|    | Mar 11 - 17    | Spring Break                   |
| 9  | Mar 18 – 24    | 5.6-5.7, Test 3, 6.1           |
| 10 | Mar 25 – 31    | 6.2-6.4                        |
| 11 | Apr 1 – 7      | 6.6, 6.7, 7.1                  |
| 12 | Apr 8 – 14     | 7.2-7.3                        |
| 13 | Apr 15 - 21    | 7.4, Test 4                    |
| 14 | Apr 22 – 28    | 8.1, 8.2, 9.1                  |
| 15 | Apr 29 – May 5 | 9.3, opt 9.4                   |
| 16 | May 6 – 10     | Review, Final Exam             |

Tentative Schedule. Any changed dates will be announced in class.

| Section            | Pages   | Assigned Problems   |  |  |
|--------------------|---------|---|--|--|
| 1.1*               | 10-12   | 1, 3, 5, 11, 13, 19, 25, 27, 29, 31-79 (odd), 80, 89, 91, 93  |  |  |
| 1.2*               | 18-20   | 1-9 (odd), 15, 17, 23, 25, 29, 31, 35-45 (odd), 49, 51, 55, 59, 61, 63, 69-83 (odd), 89, 90, 91, 93                                   |  |  |
| 1.3*               | 21-28   | 1-4 (all), 5, 7, 12, 15, 21, 23, 27, 29, 33, 37, 39, 45, 47, 51, 61-77 (odd), 83, 85, 87  |  |  |
| 1.4*               | 35-37   | 15, 17, 19-33 (odd), 37, 39, 43, 47, 48, 49-65 (odd), 69, 71, 73, 75, 77, 78, 79, 83, 85, 89, 93                                      |  |  |
| 1.5*               | 41-43   | 7, 9, 13, 17, 23, 31, 35, 41, 43, 51, 53, 55, 57, 59, 60, 67, 69, 71, 75, 77, 79, 83, 87  |  |  |
| 1.6*               | 48-50   | 4-9 (all), 11, 15, 19-37 (odd), 41, 43, 49, 51, 59, 67, 69, 75, 83, 91-113 (odd), 119, 125, 129, 135, 139, 143                        |  |  |
| 1.7*               | 56-58   | 1, 5, 6, 7, 8, 10, 11, 21, 37, 39, 47, 49, 51, 53, 57, 61, 63, 73-101 (odd), 102, 103, 105, 107, 108, 111, 115, 117, 123, 124         |  |  |
| 1.8*               | 66-67   | 1-15 (odd), 19, 27, 31, 35, 37, 39, 41, 45, 47, 51, 55, 56, 59-73 (odd), 79, 83, 85, 87, 91, 93, 101                                  |  |  |
| 2.1*               | 83-85   | 11, 13, 15, 19, 25, 29, 33, 37, 39, 41, 45, 49, 51, 55, 57, 69, 79, 87, 89, 90, 91  |  |  |
| 2.2*               | 90-91   | 1, 3, 5, 7, 11, 15, 19, 25, 29, 39, 47, 49, 51, 53, 55, 57, 61-81 (odd), 86, 89, 90, 95, 97   |  |  |
| 2.3                | 96-98   | 1-29 (odd), 33, 35, 37, 56, 59  |  |  |
| 2.4                | 103-107 | 19, 21, 23, 33, 35, 37, 39, 43-57 (odd), 61-65 (all), 69, 75, 77, 81, 83, 89, 90, 95, 97  |  |  |
| 2.5                | 115-119 | 1-9 (odd), 15, 17, 19, 21, 27-43 (odd), 55  |  |  |
| 2.6                | 126-127 | 1, 3, 9, 11, 17, 23, 25, 27, 29, 37, 41, 47, 53, 57, 61, 63, 67, 73, 79, 105  |  |  |
| Test 1 up thru 2.6 |         |   |  |  |
| 3.1                | 152-155 | 13, 14, 17, 19, 21, 23, 25, 27, 29, 31, 33, 41, 43, 45, 51, 57, 59  |  |  |
| 3.2                | 163-165 | 7, 15, 17, 21, 23, 27, 29, 33, 35, 37, 39, 43, 49, 57, 60, 62, 65   |  |  |
| 3.3                | 171-173 | 7, 9, 11, 17, 23, 27, 29, 35, 37, 53, 59, 63, 67, 69, 71, 73, 77, 78, 79, 83  |  |  |
| 3.4                | 177-182 | 9, 11, 13, 19, 23, 25, 27, 2933, 35, 47, 49, 53   |  |  |
| 3.5                | 188-194 | 1, 3, 7, 15, 17, 19, 21, 25, 27, 31, 33, 35, 39, 41, 43, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 73, 75                           |  |  |
| 3.6                | 199-201 | 1, 3, 5, 9, 11, 15, 19, 25, 27, 35, 39, 43, 45, 49, 55, 61, 63, 65, 67, 71, 73, 87, 89, 91  |  |  |
| 3.7                | 209-212 | 1, 7, 9, 15, 19, 25, 29, 39, 41, 43, 49, 51, 53, 55, 57, 61, 63, 65, 69, 76, 78   |  |  |
| 4.1                | 228-229 | 1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 23, 25, 33, 37, 45, 47, 49, 51, 55, 61, 65, 73, 77, 83, 85, 87, 89, 61, 96                         |  |  |
| 4.2                | 234-238 | 1, 4, 5, 8, 9, 11, 13, 15, 19, 21, 25, 27, 29, 31, 33, 35, 37, 39, 41, 45, 49, 53, 55, 57, 61, 63, 65, 67, 69, 71, 73, 75, 78, 79, 82 |  |  |
| 4.3                | 243-245 | 7, 9, 13, 17, 23, 27, 33, 37, 39, 45, 47, 53, 57, 59, 61, 78, 82, 93  |  |  |
| Test 2 up thru 4.3 |         |   |  |  |

Homework assignment for students **not using** MyMathLab for assignments.

| 4.4                | 251-252 | 9, 15, 17, 23, 27, 31, 33, 37, 39, 41, 43, 45, 57, 59, 61, 75, 77                     |
|--------------------|---------|---|
| 4.5                | 260-262 | 1, 2, 5, 11, 13, 15, 23, 27, 41, 45, 51, 53, 59, 61, 67, 91, 105, 107, 109            |
| 4.6                | 268-271 | 1, 3, 5, 7, 9, 11, 13, 25, 29, 33, 35, 39, 43, 45, 55, 61, 63, 71                     |
| 4.7                | 276 277 | 1, 3, 5, 7, 9, 11, 13, 15   |
|                    | 270-277 | (Only up through Example 2. No division by a binomial.)                               |
|                    |         | 1, 3, 5, 9, 11, 13, 15, 21, 25, 27, 29, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53,   |
| 4.8                | 284-286 | 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 87, 91, 93, 95, 97,       |
|                    |         | 101, 103, 105, 107, 109, 111, 113, 117, 120, 123                                      |
| 5.1                | 304-305 | 1-7(odd), 11, 13, 25, 27, 29, 30, 31, 33-61(odd), 67-72(all)                          |
| 5.2                | 311-312 | 1-61(odd), 64, 66-70(all)   |
| 5.3                | 321-322 | 1, 3, 5, 6, 7, 8, 11, 16, 17, 21, 27, 29, 31, 41, 43, 47, 81-87(odd)                  |
| 5.4                | 328-329 | 1, 2, 3, 5, 9, 11-37(odd), 51-57(odd), 61, 67, 73, 79, 81, 94, 95, 97, 99             |
| 5 5                | 222 224 | 1, 3, 4, 5, 7, 9, 11, 13, 17, 19, 21, 25, 29, 33, 35, 37, 39, 41, 43, 51, 53, 59, 81, |
| 5.5                | 555-554 | 84, 85  |
| 5.6                | 340-342 | 1, 3, 7, 11, 13, 17, 21, 25, 29, 37, 41, 45, 47, 49, 71, 72                           |
| 5.7                | 351-354 | 3-23(odd), 27, 28, 29, 30, 31, 32, 35, 41, 47   |
|                    | Te      | st 3 up thru 5.7 (See previous page for more new sections)                            |
| 6.1                | 369-370 | 7-23(odd), 27, 33, 35, 37, 47, 51, 63   |
| 6.2                | 374-375 | 1, 13, 15, 19, 23, 25, 43, 47, 49, 51, 55, 59, 73, 74                                 |
| 6.3                | 383-384 | 5-8(all), 13-23(odd), 35, 39-47(odd), 51, 57, 59, 61, 63, 65-71(odd)                  |
| 6.4                | 390     | 1, 5-29(odd)  |
| 6.6                | 405     | 5, 11, 13, 17, 19, 23, 31, 49-52(all) (Only cover Examples 1 and 2ab. We do           |
| 0.0                |         | not cover the harder problems in this section.)                                       |
| 6.7                | 416-419 | 19, 21, 27, 37, 43, 45, 47, 49  |
| 7.1                | 434-435 | 1, 3, 5, 11, 13, 17, 19, 21, 25, 31, 49-53(odd)                                       |
| 7.2                | 440-442 | 3, 4, 5, 11, 17, 21, 25, 29, 31, 33, 35, 39, 41, 43, 45, 49, 51, 59, 62, 63           |
| 7.3                | 448-450 | 1-4(all), 9, 13, 15, 17, 21, 25, 29, 33, 41, 43, 45, 53-57(odd)                       |
| 7.4                | 457-459 | 1, 3, 5,7, 9, 11, 13, 15,17, 19, 21, 23, 27, 37, 39, 41                               |
| Test 4 up thru 7.4 |         |   |
| 8.1                | 488-489 | 11-31(odd), 39-43(odd), 47, 51, 75, 77, 79  |
| 8.2                | 495     | 29-33(odd), 47-51(odd)  |
| 9.1                | 538-539 | 1-5(all), 7, 9, 11, 12, 18, 21, 25, 29, 31, 47  |
| 9.3                | 552-553 | 5-13(odd), 23, 25, 26, 29, 30, 31, 32, 33, 36, 37, 39, 45, 47, 51-56(all)             |
| 9.4                | 558-559 | 5, 7, 9, 43, 44   |
|                    |         | Test 5 / Final Exam covers entire course  |

## Homework Assignments for students using MyMathLab:

Students who wish to use MyMathLab for about half the assignments will use the assignment sheet in the MyMathLab handout. The MML method of assignments allows you some flexibility to skip the online homework in some sections if you demonstrate that you have mastered that material without before completing the online homework on those sections.