

MAT 152A – Section 3

Basic Algebra (Part I)

Spring 2015

TIME AND LOCATION: Tuesday and Thursday 1:00 – 2:50 PM in D108

INSTRUCTOR: Wynn Walker

E-MAIL: walker@ltcc.edu

OFFICE HOURS: outside of the Math Success Center

Monday and Wednesday 3:30-4:30 PM

Tuesday and Thursday 4:00 PM – 5:30 PM

OR BY APPOINTMENT

TEXTBOOK (OPTIONAL): Beginning and Intermediate Algebra, 5th Edition, Elayn Martin-Gay

REQUIRED SOFTWARE LICENSE: It is required to have a software license to use the software MyMathLab in this class. You must have a valid e-mail address to use the on-line curriculum. Students have two choices. The first choice is to purchase the textbook from the bookstore. The textbook comes with the software license. Note: If you purchase a used textbook, it may not have a valid course access code. Be VERY careful when acquiring the text. The second choice is to purchase the license alone either from the bookstore or online at pearsonmylabandmastering.com. The license gives you access to the textbook online. This is a more economical choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book. If you have previously purchased an access code for Math 152A for this textbook, you may also use it for this class at no extra cost.

To access our class page, go to pearsonmylabandmastering.com and register

using your student access code and the course ID for this class:

MAT152A course ID: **walker27334**

For assistance with MyMathLab: You may get help by calling 1-800-677-6337 during the following hours: Mon – Fri 5:00 AM – 5:00 PM & Sunday 2:00 PM – 9:00 PM. Online assistance is available 24 hours every day at: 247pearsoned.custhelp.com

COURSE DESCRIPTION: This course is designed as an introduction to algebra. Topics covered include the four basic operations with positive and negative numbers and with polynomials, solving and graphing linear equations, an introduction to functions and sets, and properties of integral exponents.

PREREQUISITE: A grade of C or better in MAT 187B, or appropriate skills demonstrated through the Math assessment process.

STUDENT LEARNING OUTCOMES:

1. Solve linear equations and inequalities
2. Define and employ terminology and arithmetic relating to polynomials in one variable.
3. Determine the equation and graph a line given the information about the line.
4. Manipulate expressions with integral exponents.
5. Apply course topics to real world situations.

GRADING POLICY: Your final letter grade will be based on the usual grading scale:

A 90-100%, B 80-89%, C 70-79%, D 60-69%, F 0-59%

The following items will make up the course grade:

Homework:	20%
Computer Quizzes	5%
In Class Quizzes:	10%

Exam1	15%
Exam2	15%
Exam3	15%
Final Exam (Cumulative)	20%

You may check your grades at any point in the quarter by accessing the grade book in MyMathLab.

IN CLASS QUIZZES: There will be given short quizzes every day starting at 2 minutes after the class begins and ending exactly at 5 minutes after the class begins. Quizzes cannot be made up.

COMPUTER QUIZZES: There are also quizzes that you will take in MyMathLab. The quizzes are designed to help you prepare for exams, and will be made up of problems that are very similar to the problems from your homework assignments. The quizzes may be taken as often as you would like before the due date/time.

ATTENDANCE AND CLASS PARTICIPATION POLICY: Students must attend all classes and arrive on time. At the beginning of each class a very short quiz will be given which will end at exactly five minutes after the class begins. I may drop a student if they miss the first class meeting if there are students who are on a waiting list to enroll in this class. Also, I may drop a student from the class whenever their total absences exceed two more than the number of times that a class meets per week. Regarding class participation, from time to time groups of people will be called up to the board to share their answers to problems worked on during class. I feel that this active engagement process is essential in order to successfully learn math.

HOMEWORK: Homework is to be completed online with MyMathLab. Each section covered will have a homework assignment. The homework assignments will be due at 11:59 PM on Monday nights. However, it is NOT RECOMMENDED that you wait until that time to work on the homework. The homework assignments are your chance to practice the material covered in class. It is YOUR responsibility to make

sure you are getting the information from each section. At the beginning of class, I will go over homework questions from the previous day's material. Other questions will be addressed outside of class or in office hours. Late homework will be accepted one class period beyond the due date, with a 50% penalty, no exceptions. Late homework will not be accepted after more than one class after the due date.

EXAM POLICY: Students are to bring a pencil and blank scratch paper to each exam. Grading will be based on progress towards the final answer, and the demonstration of understanding of the concept that is being tested. The more you show me with steps and detail, the better your chances for partial credit. You can use one 3x5 notecard front and back, for exams and the final.

MAKE-UP POLICY: There are no make-ups for quizzes. No exams may be taken after their scheduled time. If a student will be unable to take an exam at the scheduled time, he or she must take the exam prior to the scheduled time. Students must contact the instructor in advance of the examination in order to arrange a time to take any exam early. **THE FINAL MUST BE TAKEN AT THE SCHEDULED TIME.**

CALCULATORS: Calculators are not allowed in this course.

CELL PHONES: Cell phones and all other electronic devices must be turned off while class is in session. For any student whose cell phone goes off during a quiz or exam a 5% penalty will be applied to their quiz or exam score.

A WORD ON HONESTY: Cheating or copying will not be tolerated. People who cheat dilute the honest effort of the rest of us. If you cheat on a quiz, exam, or project you will receive a 0 for that assignment. Also, I may refer any student who is caught cheating for further disciplinary action. Please don't cheat in this class. If you are having difficulty with the course, please contact me.

TUTORING: Free tutoring is available in the Math Success Center (MSC). The MSC is located in the Tutoring and Learning Center (TLC) in A201.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES: If there is anyone in this class who has need for test-taking or note-taking arrangements through the Disabilities Resource Center, please

4/9 1.4, 1.5 Algebraic Expressions and Addition of Real Numbers

Online homework 1.2, 1.3, 1.4, 1.5 and online Quiz 1 due Monday April 13 11:59 PM

WEEK 2:

4/14 1.6, 1.7 Subtract, Multiply, and Divide Real Numbers

4/16 1.8, 2.1 Properties of the Real Numbers and Their Uses

Online homework 1.6, 1.7, 1.8, 2.1 and online quiz 1 due Monday April 20 11:59 PM

WEEK 3:

4/21 2.2, 2.3 Properties of Equality and Solving Linear Equations

4/23 2.4, Review Problem Solving

Online homework for sections 2.2 and 2.3, 2.4 due Monday April 27 11:59PM

WEEK 4:

4/28 Exam I

4/30 2.5, 2.6 Applications of Algebra

Online homework for sections 2.5, 2.6 and online quiz 2 due Monday May 4 11:59PM

WEEK 5:

5/5 2.7, 2.8 Applications of Equations, Solving Linear Inequalities

5/7 3.1, 3.2 Rectangular Coordinate System and Graphing Lines

Online homework for sections 2.7 and 2.8, 3.1, and 3.2 due Monday May 11 11:59PM

WEEK 6:

5/12 3.3, 3.4 Intercepts and Slopes of Lines

5/14 3.5, Review Equations of Lines

Online homework for sections 3.3, 3.4, and 3.5 and online quiz 3 due Monday May 18 11:59PM

WEEK 7:

5/19 Exam II

5/21 3.6 Functions, Linear Inequalities of Two Variables

Online homework for section 3.6 due Tuesday May 26 11:59PM

WEEK 8:

5/26 5.1, 5.2 Exponents and Polynomials

5/28 5.3, 5.4 Multiplying Polynomials

Online homework for sections 5.1, 5.2, 5.3, and 5.4 due Monday June 1 11:59PM

WEEK 9:

6/2 5.5, 5.6 Negative Exponents and Scientific Notation, Dividing Polynomials

6/4 9.1, review Compound Inequalities, Review for exam 3

Online homework for sections 5.5, 5.6, 9.1, and quiz 4 due Monday June 8 11:59 PM

WEEK 10:

6/9 Exam III covers 3.6, 5.1-5.6

6/11 9.2 Absolute Value Equations

Online homework for section 9.2 due Monday June 22 11:59PM

WEEK 11:

6/16 catch up

6/18 Review for final exam

WEEK 12:

6/25 Final Exam 1:00 – 2:50 PM (NOTE THE DIFFERENT TIME)