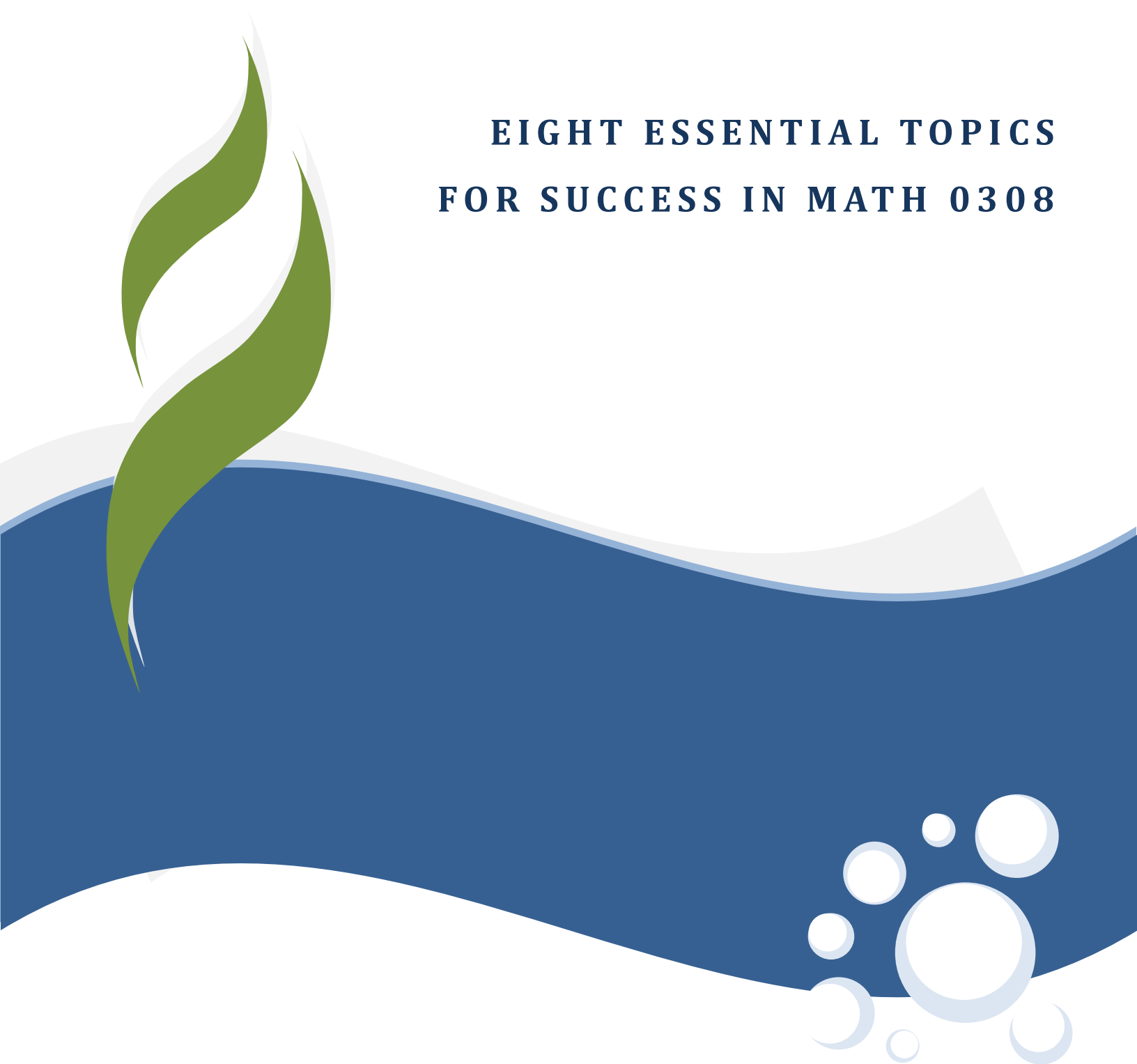


**LONE STAR COLLEGE**

**TOMBALL**

**EIGHT ESSENTIAL TOPICS  
FOR SUCCESS IN MATH 0308**



# Eight Essential Topics for Success in Math 0308 (Introductory Algebra)

## Introduction

Based on input from Tomball Math Center tutors, as well as several instructors, eight topics essential to success in Introductory Algebra were identified as areas of struggle for Math 0308 students. The purpose of this handbook is to provide links to online video resources, as well as information concerning resources available in MyMathLab, that can help those students better grasp and understand these trouble spot topics.

The result, hopefully, will be that students are more successful in Math 0308 (Introductory Algebra) and beyond.

## How to Best Utilize this Handbook

To use this handbook, first locate the topic you would like to work on in the Table of Contents. Then, either go to the page specified or, if you are viewing the handbook online, simply click on the link to be taken directly to that topic.

You will find a number of potential resources to utilize in your quest to understand the topic. The resources listed may include videos found on YouTube or other websites, animated practice videos on MyMathLab, and/or written teaching resources located on math websites.

Find the online resource(s) that are appropriate for your learning/understanding requirements and use the following methods to gain access to the resource(s).

## Accessing MyMathLab Resources

If you utilize MyMathLab for your Math 0308 course, then you already have access to a vast library of videos and animated practice resources specifically aimed at the topics you are currently studying. To access those resources:

- 1) Log into MyMathLab as you normally would.
- 2) Click on the Multimedia Library link on the left side of the screen.
- 3) Using the drop-down menu, select the chapter you want.
- 4) Check the Animated Practice Video and Lecture Videos check boxes by clicking on them.
- 5) Click on the Submit button.

You will be provided with a list of video links. Find the one suggested in this Guidebook and click on the hyperlink to gain access to the specific resource.

## **Accessing YouTube and Other Online Resources**

To access any of the other resources listed in this handbook, simply click on the hyperlink (if you are viewing this handbook as an online document) or use one of the following methods:

### *YouTube videos:*

1. Go to <http://www.youtube.com/>
2. Enter the title of the video into the search box at the top of the screen and click on the Search button.
3. Locate your video in the search results and click on it to watch the video.

### *Websites:*

1. Type the name of the resource into your browsers search box and initiate a search.
2. Click on the link provided to go to the resource.

# Table of Contents

<b>Topic #1: Negative Numbers.....</b>	<b>6</b>
Adding Negative Numbers .....	6
Subtracting Negative Numbers .....	6
Multiplying and Dividing Negative Numbers .....	7
<b>Topic #2: Fractions .....</b>	<b>8</b>
Finding Common Denominators .....	8
Adding/Subtracting Fractions .....	8
Multiplying/Dividing Fractions .....	9
Solving Equations that Contain Fractions .....	9
<b>Topic #3: Word Problems .....</b>	<b>10</b>
Changing Words into Math Statements.....	10
Solving Word Problems.....	10
<b>Topic #4: Solving Inequalities .....</b>	<b>12</b>
Linear Inequalities .....	12
Compound Inequalities with AND or OR.....	12
<b>Topic #5: Forms of Linear Equations .....</b>	<b>14</b>
Calculating Slope .....	14
Slope/Intercept Form .....	14
Point/Slope Form .....	15
Standard Form.....	15
<b>Topic #6: Graphing Equations .....</b>	<b>16</b>
Linear Equations.....	16
Vertical and Horizontal Lines .....	16
Multiple Linear Equations .....	17
<b>Topic #7: Using the FOIL Method .....</b>	<b>18</b>
Multiplying Two Binomials.....	18

Squaring a Binomial.....	18
Multiplying a Binomial and Trinomial .....	19
<b>Topic #8: Exponents .....</b>	<b>20</b>
Rules of Exponents .....	20
Negative Exponents.....	20
Adding and Subtracting Polynomials .....	21

# Topic #1: Negative Numbers

If you struggle with adding, subtracting, or multiplying and dividing negative numbers then solving equations will seem impossible. Though negative numbers were a topic of focus in Math 0306, many individuals continue to struggle with these concepts long after completing that course. The topic is included in this Guidebook as a general help to 0308 students.

[Back to Table of Contents](#)

## **Adding Negative Numbers**

### **My Math Lab Helps**

#### **Video Lectures:**

8.C Obj A *Add Real Numbers* (13:07)

8.C Obj B *Find the Opposite of a Number* (5:32)

#### **Real-time Animated Practice Videos:**

*Translating Word Problems: Adding Real Numbers with Unlike Signs* (Section 8.C)

*Adding Two Signed Integers* (Section 8.C)

### **YouTube Videos**

[Learn the rules of positive and negative numbers](#) [Algebra Test Helper] (7:29)

[Adding negative numbers](#) [Khan Academy] (5:40)

[Adding integers with different signs](#) [Khan Academy] (5:32)

[Adding negative numbers](#) [Mucho Math] (6:29)

### **Other Helpful Websites**

[How do you add two negative numbers?](#) [Virtual Nerd] (5:27)

[Adding two positive or two negative numbers on a number line](#) [LearnZillion] (4:12)

## **Subtracting Negative Numbers**

### **My Math Lab Helps**

#### **Video Lectures:**

8.D Obj A *Subtract Real Numbers* (10:43)

8.D Obj B *Evaluate Algebraic Expressions Using Real Numbers* (1:43)

#### **Real-time Animated Practice Videos:**

*Translating Word Problems: Solving Application Problems Involving Signed Whole Numbers* (Section 8.D)

*Subtracting Signed Integers* (Section 8.D)

*Translating Word Problems: Writing Signed Numbers* (Section 8.D)

### **YouTube Videos**

[\*Adding and subtracting integers\*](#) [SkyhawksMath] (9:59)

[\*Subtracting Negative Numbers\*](#) [Mucho Math] (5:55)

[\*Adding/Subtracting Negative Numbers\*](#) [Khan Academy] (9:16)

[\*Negative Number Word Problems 1\*](#) [Khan Academy] (4:21)

[\*Adding and Subtracting - Negative Numbers\*](#) [Math Meeting] (5:49)

## **Multiplying and Dividing Negative Numbers**

### **My Math Lab Helps**

#### **Video Lectures:**

8.1 Obj A *Multiply Real Numbers* (8:43)

8.1 Obj C *Divide Real Numbers* (6:11)

8.1 Obj D *Evaluate Expressions Using Real Numbers* (5:28)

### **YouTube Videos**

[\*Adding and subtracting integers\*](#) [SkyhawksMath] (9:59)

[\*Why a Negative Times a Negative Makes Intuitive Sense\*](#) [Kahn Academy] (6:12)

[\*Multiplying and Dividing Negative Numbers\*](#) [Kahn Academy] (8:29)

[\*Understand and Learn the Rules of Positive and Negative Numbers\*](#) [TabletClass Math] (7:32)

[Back to Table of Contents](#)

## Topic #2: Fractions

Fractions can be very frustrating. In fact, many students become mathphobic when they begin to think about fractions. Deciding whether to change or not change the denominator, determining when and how to calculate the lowest common denominator, understanding when to use a reciprocal, and reducing fractions to lowest terms are complex ideas.

This section deals primarily with understanding how to find common denominators as well as the rules for adding, subtracting, multiplying, and dividing fractions.

[Back to Table of Contents](#)

### **Finding Common Denominators**

#### **My Math Lab Helps**

**Real-time Animated Practice Videos:**

*Comparing Fractions* (Section 8.A)

#### **YouTube Videos**

[Math Antics – Common Denominator ECD](#) [mathantics] (5:06)

[Math Antics – Common Denominator LCD](#) [mathantics] (5:22)

[3 Ways to Find a Common Denominator](#) [khillary1] (3:08)

[Teaching Kids LCM & GCF With the Ladder Method: Math Concepts](#) [eHowEducation] (2:20)

[Finding the LCM of 3 or More Numbers](#) [HCCMathHelp] (8:30)

### **Adding/Subtracting Fractions**

#### **YouTube Videos**

[Math Antics – Adding and Subtracting Fractions](#) [mathantics] (4:21)

[Fractions Addition and Subtraction Trick – do them the fast way](#) [tecmath] (8:02)

[Adding Fractions with Different Denominators Trick – mentally add fractions with this math trick!](#) [tecmath] (5:07)

[Subtract Fractions with Different Denominators Trick – mentally minus fractions instantly!](#) [tecmath] (6:31)

[Learn Fractions – How to Add Fractions](#) [mahalodotcom] (2:04)

[Learn Fractions – How to Subtract Fractions](#) [mahalodotcom] (1:52)



## **Multiplying/Dividing Fractions**

### **YouTube Videos**

[Learn Fractions – How to Multiply Fractions](#) [mahalodotcom] (1:57)

[Learn Fractions – How to Divide Fractions](#) [mahalodotcom] (1:52)

[Multiply & Divide Negative Fractions](#) [YourMathGal] (14:53)

## **Solving Equations that Contain Fractions**

### **My Math Lab Helps**

#### **Video Lectures:**

9.3 Obj B *Solve Equations Containing Fractions or Decimals* (7:56)

### **YouTube Videos**

[Algebra: Linear Equations 4](#) [Khan Academy] (7:38)

[How to Solve Equations with Fractions: The Easy Way](#) [MathMotor] (8:31)

[GCSE Maths Revision – Solving Linear Equations \(2\) Involving Fractions](#) [HEGARTYMATHS] (14:39)

[PreAlgebra and Solving Fractional Equations](#) [Bill Witte] (6:00)

[Back to Table of Contents](#)

## Topic #3: Word Problems

Truth is, most students are afraid of word problems. They hate them because they have never learned how to interpret the words to create correct mathematical statements and equations. Learning how to detect and interpret key words must come first. Once that topic is understood, learning to write and solve a word problem becomes more straight-forward.

[Back to Table of Contents](#)

### **Changing Words into Math Statements**

#### **My Math Lab Helps**

##### **Video Lectures:**

- 8.A Obj B *Translate Sentences into Mathematical Statements* (1:11)
- 8.B Obj D *Translate Phrases into Expressions and Sentences into Equations* (3:50)
- 8.2 Obj D *Write Word Phrases as Algebraic Expressions* (3:16)
- 9.1 Obj C *Write Word Phrases as Algebraic Expressions* (3:13)

##### **Real-time Animated Practice Videos:**

- Translate Sentences to Equations Containing Rational Expressions* (Section 8.B)
- Translating Word Problems: Adding Negative Numbers* (Section 8.C)

#### **YouTube Videos**

- [How to Convert Word Problems into an Equation](#) [MathsCool] (4:10)
- [Translating Math and Word Statements](#) [MuchoMath] (7:59)
- [Algebra 1: Translating Words into Symbols \(Level 1 of 2\)](#) [Math Fortress] (8:26)
- [Algebra 1: Translating Words into Symbols \(Level 2 of 2\)](#) [Math Fortress] (9:22)
- [Algebra 1: Translating Sentences into Equations \(Level 1 of 2\)](#) [Math Fortress] (6:24)
- [Algebra 1: Translating Sentences into Equations \(Level 2 of 2\)](#) [Math Fortress] (8:03)

### **Solving Word Problems**

#### **My Math Lab Helps**

##### **Video Lectures:**

- 8.C Obj D *Solve Applications That Involve Addition of Real Numbers* (2:30)
- 8.D Obj D *Solve Applications That Involve Subtraction of Real Numbers* (3:00)
- 8.1 Obj F *Solve Applications That Involve Multiplication or Division of Real Numbers* (1:45)
- 9.4 Obj A *Solve Problems Involving Direct Translations* (4:39)
- 9.4 Obj B *Solve Problems Involving Relationships among Unknown Quantities* (10:18)

**Real-time Animated Practice Videos:**

*Translating Word Problems: Application Problem Involving Finding the Number* (Section 8.B)

*Translating Word Problems: Evaluating Expressions* (Section 8.B)

*Translating Word Problems: Adding Variables* (Section 8.2)

*Translating Word Problems: Application Problem Involving Finding the Number* (Section 9.4)

**YouTube Videos**

[Problem Solving Strategies](#) [myvideomath] (8:51)

[Basic Algebra Word Problems 3](#) [YourMathGal] (9:14)

[Basic Algebra Word Problems 4](#) [YourMathGal] (10:57)

[Basic Algebra Word Problems 5](#) [YourMathGal] (9:01)

[Basic Algebra Word Problems 6](#) [YourMathGal] (7:05)

[Algebra – Word Problems – Mixture Problems](#) [Michael van Biezen] (8:00)

[Back to Table of Contents](#)

## Topic #4: Solving Inequalities

Solving inequalities is an important topic in Math 0308. To solve an inequality we must follow many of the same rules and principles used in solving an equation. There is one major difference, however. That difference is that we need to pay attention to the direction of the inequality and know when that direction must change.

This section provides resources that show how to handle both individual and compound linear equations.

[Back to Table of Contents](#)

### Linear Inequalities

#### My Math Lab Helps

##### Video Lectures:

- 9.7 Obj A *Graph Inequalities on a Number Line* (1:57)
- 9.7 Obj B *Use the Addition Property of Inequality to Solve Inequalities* (3:15)
- 9.7 Obj C *Use the Multiplication Property of Inequality to Solve Inequalities* (3:19)
- 9.7 Obj D *Use Both Properties to Solve Inequalities* (4:29)
- 9.7 Obj E *Solve Problems Modeled by Inequalities* (3:20)

##### Real-time Animated Practice Videos:

*Solving Linear Inequalities* (Section 9.8)

#### YouTube Videos

- [Algebra: Solving Inequalities](#) [Khan Academy] (6:25)
- [Solving Inequalities - MathHelp.com - Algebra Help](#) [yourteachermathhelp] (2:51)
- [Learn How to Solve Inequalities](#) [AlgebraTestHelper] (4:28)
- [Solving Basic Inequalities](#) [Math Meeting] (7:25)

### Compound Inequalities with AND or OR

#### My Math Lab Helps

##### Video Lectures:

- 19.5 Obj A *Find the Intersection of Two Sets* (2:29)
- 19.5 Obj B *Solve Compound Inequalities Containing “and”* (6:16)
- 19.5 Obj C *Find the Union of Two Sets* (1:53)
- 19.5 Obj D *Solve Compound Inequalities Containing “or”* (4:17)

**Real-time Animated Practice Videos:**

*Solving a Compound Inequality with Or* (Section 9.8)

**YouTube Videos**

[Compound Inequalities 1](#) [YourMathGal] (12:26)

[Compound Inequalities 4](#) [YourMathGal] (12:04)

[Compound Inequalities](#) [Khan Academy] (11:45)

[Solving Compound Inequalities](#) [Math Meeting] (8:26)

[Back to Table of Contents](#)

## Topic #5: Forms of Linear Equations

There are three common forms of linear equations: the slope/intercept form, the point/slope form, and the standard form. These three forms are equivalent forms that can be determined by rearranging the terms in the equation using mathematical principles.

Understanding and calculating the slope of a line leads into two of the three forms. Calculating slope and knowing how to utilize each of the three forms are topics covered in this section.

[Back to Table of Contents](#)

### Calculating Slope

#### My Math Lab Helps

##### Video Lectures:

10.4 Obj A *Find the Slope of a Line Given Two Points on the Line* (7:25)

10.4 Obj B *Find the Slope of a Line Given Its Equation* (3:38)

10.4 Obj C *Find the Slopes of Horizontal and Vertical Lines* (3:57)

10.4 Obj D *Compare the Slopes of Parallel and Perpendicular Lines* (5:29)

10.4 Obj E *Slope as a Rate of Change* (2:47)

##### Real-time Animated Practice Videos:

*Translating Word Problems: Slope* (Section 10.4)

*Finding the Slope and y-intercept from the Equation* (Section 10.4)

*Slope Mountain hiking* (Section 10.4)

#### YouTube Videos

[Slope of a Line – MathHelp.com – Algebra Help](#) [yourteachermathhelp] (1:36)

[Slope of a Line](#) [Kahn Academy] (4:39)

[Algebra: Slope](#) [Khan Academy] (8:27)

[Finding the Slope Given 2 Points](#) [Davitily] (4:05)

### Slope/Intercept Form

#### My Math Lab Helps

##### Video Lectures:

10.5 Obj A *Use the Slope-intercept Form to Write an Equation of a Line* (1:59)

##### Real-time Animated Practice Videos:

*Translating Word Problems: Find a Line Given Slope and y-intercept* (Section 10.5)

### YouTube Videos

[Linear Equations in Slope Intercept Form](#) [Khan Academy] (14:57)

[Writing Linear Equations – MathHelp.com – Algebra Help](#) [yourteachermathhelp] (2:48)

[Converting Linear Equations from Standard Form to Slope Intercept Form](#) [Mike DeVor] (9:56)

[Finding the Equation of a Line in Slope Intercept Form](#) [mahalodotcom] (3:22)

### Point/Slope Form

#### My Math Lab Helps

##### Video Lectures:

10.5 Obj C *Use the Point-slope Form to Find an Equation of a Line Given Its Slope and a Point of the Line* (3:20)

10.5 Obj D *Use the Point-slope Form to Find an Equation of a Line Given Two Points of the Line* (7:22)

10.5 Obj E *Use the Point-slope Form to Solve Problems* (5:18)

### YouTube Videos

[Linear Equations in Point Slope Form](#) [Khan Academy] (9:38)

[Point Slope and Standard Form](#) [Kahn Academy] (7:56)

[Point Slope Form – MathHelp.com – Algebra Help](#) [yourteachermathhelp] (2:30)

[Finding the Equation of a Line in Point Slope Form](#) [mahalodotcom] (3:19)

### Standard Form

#### YouTube Videos

[Linear Equations in Standard Form](#) [Khan Academy] (10:08)

[Standard Form of a Line – MathHelp.com – Algebra Help](#) [yourteachermathhelp] (2:23)

[Finding the Equation of Line in Standard Form](#) [mahalodotcom] (3:46)

[Back to Table of Contents](#)

## Topic #6: Graphing Equations

Once the three forms of linear equations are understood it can be relatively simple to learn how to graph those equations. Generally, the method used to graph an equation will be based on the information provided, whether it be the slope, the y-intercept, a point on the line, or two points on the line.

Vertical and horizontal line equations tend to be tricky for some students to recognize, so that topic is handled separately in this section. Resources are also provided to demonstrate how to solve a pair of linear equations.

[Back to Table of Contents](#)

### Linear Equations

#### My Math Lab Helps

##### Video Lectures:

- 10.1 Obj B *Plot Ordered Pairs of Numbers on the Rectangular Coordinate System* (6:08)
- 10.2 Obj A *Graph a Linear Equation by Finding and Plotting Ordered Pair Solutions* (12:08)
- 10.3 Obj A *Identify Intercepts of a Graph* (2:02)
- 10.3 Obj B *Graph a Linear Equation by Finding and Plotting Intercept Points* (6:12)
- 10.5 Obj B *Use the Slope-intercept Form to Graph a Linear Equation* (6:15)
- 10.7 Obj B *Graph a Linear Inequality in Two Variables* (9:39)

##### Real-time Animated Practice Videos:

- Graph a Linear Equation by Finding and Plotting Ordered Pair Solutions* (Section 10.1)
- Plotting Ordered Pairs* (Section 10.1)
- Graphing a Linear Inequality* (Section 10.7)

#### YouTube Videos

- [Graphing a Line by Plotting Points](#) [MrCaryMath] (10:48)
- [Graphing Linear Equations](#) [MathGives YouPower] (9:19)
- [Algebra: Graphing Lines 1](#) [Khan Academy] (9:49)
- [Graphing Linear Equations; Part 1](#) [MuchoMath] (7:58)

### Vertical and Horizontal Lines

#### My Math Lab Helps

##### Video Lectures:

- 10.3 Obj C *Identify and Graph Vertical and Horizontal Lines* (5:39)



## YouTube Videos

[Graphing Vertical and Horizontal Lines](#) [Daniel Kaufman] (1:13)

[Equations of Horizontal and Vertical Lines](#) [mathwithmrbarnes] (7:10)

[Graphing Vertical and Horizontal Lines](#) [Michelle Koenig] (5:16)

[Ex: Find the Equation of a Horizontal and Vertical Line Given the Graph](#) [Mathispower4U] (3:04)

## Multiple Linear Equations

### My Math Lab Helps

#### Video Lectures:

11.1 Obj A *Decide Whether an Ordered Pair is a Solution of a System of Linear Equations* (3:15)

11.1 Obj B *Solve a System of Linear Equations by Graphing* (17:35)

#### Real-time Animated Practice Videos:

*Visualizing Graphs* (Section 11.1)

## YouTube Videos

[Algebra – Solving Linear Equations by Using the Graphing Method 1/2](#) [Michael van Biezen] (5:05)

[Algebra – Solving Linear Equations by Using the Graphing Method 2/2](#) [Michael van Biezen] (3:31)

[Solving Linear Systems by Graphing](#) [Khan Academy] (8:29)

[Solving Systems by Graphing – MathHelp.com – Algebra Help](#) [yourteachermathhelp] (3:49)

[Back to Table of Contents](#)

## Topic #7: Using the FOIL Method

The FOIL Method is a process used to multiply two polynomials, typically binomials. Squaring a binomial is a special case of the FOIL Method. It can follow the same pattern as with any other two binomials or a special rule can be applied. An expanded version of FOIL can be used to multiply a binomial with a trinomial.

[Back to Table of Contents](#)

### **Multiplying Two Binomials**

#### **My Math Lab Helps**

##### **Video Lectures:**

12.3 Obj B *Define Polynomial, Monomial, Binomial, Trinomial, and Degree* (4:11)

12.5 Obj C *Multiply Two Polynomials* (7:01)

12.6 Obj A *Multiply Two Binomials Using the FOIL Method* (6:06)

12.6 Obj C *Multiply Sum and Difference of Two Terms* (3:06)

12.6 Obj D *Use Special Products to Multiply Binomials* (2:49)

##### **My Math Lab Real-time Animated Practice Videos:**

*Multiplication Before Your Eyes* (Section 12.6)

#### **YouTube Videos**

[Multiplying Binomials](#) [Khan Academy] (5:47)

[The FOIL Method - Multiplying Binomials - MathHelp.com](#) [yourteachermathhelp] (1:24)

[Multiplying Two Binomials Using the FOIL Method](#) [Inspire Math Tutorials] (6:48)

[How to Use FOIL to Distribute Two Binomials for Dummies](#) [Dummies.com] (3:23)

### **Squaring a Binomial**

#### **My Math Lab Helps**

##### **Video Lectures:**

12.6 Obj B *Square a Binomial* (3:29)

##### **Real-time Animated Practice Videos:**

*Translating Word Problems: Squaring Binomials* (Section 12.5)

#### **YouTube Videos**

[Square a Binomial](#) [Khan Academy] (3:38)

[Algebra Help: What Does it Mean to Square Binomials?](#) [eHowFamily] (1:44)  
[Squaring a Binomial Using a Special Rule](#) [Karin Hutchinson] (4:14)

## **Multiplying a Binomial and Trinomial**

### **My Math Lab Helps**

**Real-time Animated Practice Videos:**

*Multiplying Polynomials* (Section 12.5)

### **YouTube Videos**

A [Khan Academy] (6:25)

[Multiplying Polynomials – Binomial x Trinomial \(Box Method\)](#) [Matthew Moulton] (3:25)

[Multiplying a Binomial with a Trinomial](#) [Mike Nealis] (1:32)

[Algebra Trick – Multiply Binomials and Trinomials Instantly!](#) [tecmath] (12:04)

[Back to Table of Contents](#)

# Topic #8: Exponents

Exponents are often misunderstood. Negative exponents are even worse and can be very confusing. This section deals only with integer exponents, both positive and negative. The final topic covers the addition and subtraction of polynomials with mixed variables that have integer exponents.

[Back to Table of Contents](#)

## Rules of Exponents

### My Math Lab Helps

#### Video Lectures:

- 12.1 Obj A *Evaluate Exponential Expressions* (7:03)
- 12.1 Obj B *Use the Product Rule for Exponents* (5:56)
- 12.1 Obj C *Use the Power Rule for Exponents* (3:19)
- 12.1 Obj D *Use the Power Rule for Products and Quotients* (4:21)
- 12.1 Obj E *Use the Quotient Rule for Exponents and Define a Number Raised to the 0 Power* (6:04)
- 12.1 Obj F *Decide Which Rule(s) to Use to Simplify an Expression* (2:24)

#### My Math Lab Real-time Animated Practice Videos:

- Evaluating Exponential Expressions* (Section 12.1)
- Use the Power Rule for Exponents* (Section 12.1)

### YouTube Videos

- [Exponents 101](#) [Patty Hill] (6:16)
- [Algebra - Exponents and the Laws of Exponents \(Powers\)](#) [Mr. Causey] (8:45)
- [Exponent Rules Math Learning Upgrade](#) [Learning Upgrade] (2:23)
- [Properties of Exponents](#) [Math Meeting] (8:35)

## Negative Exponents

### My Math Lab Helps

#### Video Lectures:

- 12.2 Obj A *Simplify Expressions Containing Negative Exponents* (8:32)
- 12.2 Obj B *Use the Rules and Definitions for Exponents to Simplify Exponential Expressions* (5:14)

#### Real-time Animated Practice Videos:

*Evaluate Numbers Raised to Negative Integer Powers* (Section 12.2)

*Use all the Rules of Exponents to Simplify Exponential Expressions* (Section 12.2)

### **YouTube Videos**

[Negative Exponents](#) [Khan Academy] (7:13)

[Negative Exponents](#) [Patty Hill] (7:41)

[Negative Exponents](#) [Math Meeting] (7:23)

## **Adding and Subtracting Polynomials**

### **YouTube Videos**

[Addition and Subtraction of Polynomials](#) [Khan Academy] (15:59)

[Beginning Algebra & Adding Subtracting Polynomials](#) [Bill Witte] (2:50)

[Adding and Subtracting Polynomials](#) [Mathispower4u] (9:05)

[Adding & Subtracting Polynomials](#) [Kevin Dorey] (6:34)

[Back to Table of Contents](#)