

School of Access Academic and Career Foundations Department

MATH 053 Intermediate Mathematics 2

VIDEO LINKS

	MATH 053 course content	Video Links
	Unit R - Arithmetic Review (no calculator)	
R1	Place value	Comparing place value Place Value (1) Place Value (2)Place Value (3)
R2	Comparing numbers	Less than and greater than <, > Comparing decimals Comparing decimals, smallest to greatest
R3	Rounding numbers	Rounding whole numbers (1) Rounding whole numbers (2) Rounding whole numbers (3)
R4	Adding and subtracting whole numbers and decimals	Why carrying works in addition Add 3-digit numbers with carrying Addition with carrying practice Borrowing/regrouping to subtract (1) Borrowing to subtract (2) Borrowing to subtract (3) Borrowing to subtract (4) Borrowing to subtract (5) Decimals on a number line Rounding decimals (1) Rounding decimals Adding decimals Adding decimals
R5	Multiplying whole numbers and decimals	Multiplication explained (1) Multiplication explained (2) Times tables chart patterns Multiplication facts x 1, 2, 3, 4, 5, 6, 7, 8, 9 Multiplication facts x 10, 11, 12 How to multiply Ways to show multiplication Multiplying with multiples of 10 Multiplying 2-digit numbers (1) Multiplying 2-digit numbers (2) Multiplying larger numbers Multiplication practice questions Multiplication estimation Multiplying decimals: how to Multiplying decimals example Multiplying decimals by power of 10 Multiply decimals example question

R6	Powers – repeated multiplication	Exponents explained
110	(Exponential notation)	
	(Exponential Hotation)	Difference between powers (exponents) and multiplication How to use xSquared exponent key on calculator
		How to use the xCubed key on calculator
R7	Dividing whole numbers and	Division explained (1)
	decimals	Division explained (2)
		Long division
		Dividing numbers: intro to remainders
		2-digit divisors
		Dividing to get a decimal answer
		Dividing to get a decimal answer practice
		Dividing multi digit decimal Dividing a decimal with hundredths example
R8	Order of operations	
110	Order of operations	Order of operations explained
		Examples of order of operations questions
		Order of operations (more practice)
R9	Operations with fractions	Fractions explained
		More on understanding fractions
		Numerator & denominator explained
		Converting mixed numbers into improper fractions (1)
		Converting mixed numbers to improper fractions (2)
		Converting from decimal to fraction notation
		Converting improper fractions into mixed numbers
		Comparing improper fractions and mixed numbers
		Improper fractions and mixed numbers on number line
R10	Equivalent fractions	Equivalent fractions (1)
		Equivalent fractions (2)
		Equivalent fractions (3)
		<u>Fractions in lowest terms</u>
		Practice simplifying fractions
		Comparing fractions (1)
		Comparing fractions (2)
R11	Adding and subtracting fractions	Adding fractions with like denominators
		Subtracting fractions with like denominators
		Finding common denominators
		Add fractions different denominators
		Adding fractions with unlike denominators
		Subtracting fractions with unlike denominators
		Adding mixed numbers
		Adding mixed numbers with unlike denominators (1)
		Adding mixed numbers with unlike denominators (2)
		Subtracting mixed numbers (1)
		Subtracting mixed numbers (2)
		Subtracting mixed numbers with unlike denominators
		Adding fractions word problems
		Subtracting mixed numbers word problems (1)
		Subtracting mixed numbers word problems (2)
R12	Multiplying fractions	Multiplying fractions (1)
		Multiplying fractions (2)
		How to use calculator for fraction questions
		Multiplying fractions & whole numbers
		Multiplying mixed numbers Multiplying
		fractions & mixed numbers Multiplying
		fractions word problem (1)
		Multiplying fractions word problems (2)
		Multiplying fractions word problem (3)
R13	Dividing fractions	

		<u>Division that results in a fraction</u>
		Dividing fractions
		Fraction Division: multiply by reciprocal
		Dividing mixed numbers
		Dividing Fractions and writing with division symbol
		Dividing fractions word problem (1)
		Dividing fractions word problems (2)
		Dividing fractions word problems (3)
		<u>Dividing fractions word problem (4)</u>
		<u>Dividing fractions word problems (5)</u>
R14	Converting fractions and	Converting from fractions to decimals
	decimals	Converting decimals to fractions (1)
		Converting decimals to fractions (2)
		Converting decimals to fractions (3)
		Converting decimals to fractions (4)
		Converting decimals to fractions (5)
		Converting decimals to fractions (6)
		Converting fractions to decimals (1)
		Converting fraction to a decimal (2)
		Converting a fraction to a repeating decimal
R15	Estimation	Estimating a multiplication question
		Estimating a decimal
		Rounding decimals on number line
		Practice rounding decimals on the number line
	Practice Test (Unit R)	
	Unit R final test (no	
	calculator)	
	Star	rt of math 053 course material
	Math 053 Course	Video Links
	Unit 1 Introduction to	7,000 2,000
	RealNumbers and	
	Algebraic Expressions	
7.1	Algebraic Expressions Introduction to algebra	Why we don't use a multiplication sign
7.1	Algebraic Expressions Introduction to algebra	Why we don't use a multiplication sign Evaluating an expression with one variable
7.1	,	Evaluating an expression with one variable
7.1	,	Evaluating an expression with one variable Evaluating an expression practice question
7.1	,	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1)
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2)
7.1	,	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers
	Introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers
7.2	Introduction to algebra The real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers
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7.2	Introduction to algebra The real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1
7.2	The real numbers Addition of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs
7.2	Introduction to algebra The real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1
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7.2	The real numbers Addition of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer Word Problem with Temperature
7.2	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integer Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money
7.2	The real numbers Addition of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer word Problem with Temperature Subtracting Integers with oney Multiplying Integers intro
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7.2	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 1
7.2	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer word Problem with Temperature Subtracting Integers word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive
7.2	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 1
7.2 7.3 7.4	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers Multiplication of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers with different signs Additive Inverse Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 2
7.2 7.3 7.4	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers Multiplication of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding Integers practice 1 Additive Inverse Subtracting Integers Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 2 Dividing positive and negative numbers Dividing by Zero explained
7.2 7.3 7.4	Introduction to algebra The real numbers Addition of real numbers Subtraction of real numbers Multiplication of real numbers	Evaluating an expression with one variable Evaluating an expression practice question Evaluating an algebra expression with two variables (1) Evaluating an algebra expression with two variables (2) Plotting decimals on number linePlotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying numbers Intro to rational and irrational numbers More on rational and irrational numbers Adding Integers with different signs Adding integers with different signs Additive Inverse Subtracting Integer Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 2 Dividing positive and negative numbers

7.7	Properties of real numbers	Commutative Law of addition Commutative Law of
		multiplication
		Associative Property of Addition Example
		More properties of numbers (Reciprocal and additiveinverse) Distributive law example 1
		Distributive law example 2
		Distributive law example 3
		Intro to factoring (opposite of distributing)
		Collecting like terms intro
		Collecting like terms 1
7.0	Cincalit in a common in a constant	Collecting like terms 2
7.8	Simplifying expressions; order of operations	
	operations	Order of operations example 1
		Order of operations example 2 Order of operations example 3
		Order of operations example 4
		Add or Subtract like terms
		Simplifying expressions with brackets
		Using distributive property to clear brackets
		Clearing brackets and simplifying
	Summary and review	
	Chapter test Unit 1	
	Unit 2 Solving Equationsand	
	Inequalities	
8.1	Solving Equations: the addition	Intro to why we can do the same to both sides of the equation
	principle	to help solve the equation
		Solving a simple equation example that uses the additionprinciple
		Addition principle example 1
		Addition principle example 2
		Addition principle example 3
		How to solve an equation intro
8.2	Solving Equations: the	Use multiplication principle to solve simple equation
	multiplication principle	Single step algebra questions with fractions Using cross multiply to solve algebra questions containing fractions
		Using cross multiply to solve algebra questions containing mactions
		questions
8.3	Using the Principles together	Using both addition and multiplication principles together in one question
		example 1
		Example questions for solving for the variable
		Using addition and multiplication principles in a questionexample
		Using addition and multiplication principles on one question
		Example questions with decimals, like terms (multi-step) Example multi-step question with a division
		Solving equations with variables on both sides of equal sign 1
		Solving equations with variables on both sides of equal sign 1
		Solving equation with variables on both sides of equal sign3
		Solving equations that use the distributive property to clear brackets
		Distributive property when question includes fractions
		Solving equations that use the distributive property thatinclude
		clearing fractions Example Equations no solution or many solutions
		Example Equations no solution or many solutions Solving equations with more than one solution
8.4	Formulas	Rearrange formula to isolate a specific variable example 1
J		Rearrange formula to isolate a specific variable example 2
		Rearrange formula to isolate a specific variable example 3
		Rearrange formula to isolate a specific variable example 4
		Rearrange formula to isolate a specific variable example 5

0.5	A 1' 1'	The selection of the se
8.5	Applications	Translating solving percent problem (using equation method)1
	of Percent	Translating solving a percent problem (using equation method) 2
		Translating solving a percent problem (using equation method) 3
		Example of percent word problem (50% off sale)
		Example of percent problem (14% commission)
		Example of percent problem that use proportion method
8.6	Applications	Word problem
	Problem	Using Equation method to solve percent question for the original price/value
	Solving	
8.7	Solving	Plotting inequalities on number line example 1
	Inequalities	Plotting inequalities on number line example 2
	4	Writing inequalities
		Writing an inequality from given information
		Solving inequalities and graphing on number line
		Solving multi-step inequalities example 1
		Solving multi-step inequalities example 2
		Solving multi-step inequalities example 3
		Solving multi-step inequalities example 4 (Includes switching direction of
		inequality)
8.8	Applications of problem	Inequality word problem example 1
	solving	Inequality word problem example 2
	and	
	inequalities	
	Summary and review	
	(Unit 2)	
	01	
	Chapter test Unit 2	
	Unit 3 Graphs ofLinear	
	Unit 3 Graphs ofLinear Equations	
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of	Intro to Rene Descartes and Linear Equations
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of	Plotting ordered pairs Quadrants of coordinate plane
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2)
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3)
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2)
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3)
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1)
9.1	Unit 3 Graphs ofLinear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1) Rearrange equation to y=mx+b to graph line (example 2)
	Unit 3 Graphs ofLinear Equations Graphs and applications of linear equations	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1) Rearrange equation to y=mx+b to graph line (example 2) Finding solutions that work for x and y Graph line by finding the x and y intercepts example 1
	Unit 3 Graphs ofLinear Equations Graphs and applications of linear equations More with graphing and	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1) Rearrange equation to y=mx+b to graph line (example 2) Finding solutions that work for x and y
	Unit 3 Graphs ofLinear Equations Graphs and applications of linear equations More with graphing and	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1) Rearrange equation to y=mx+b to graph line (example 2) Finding solutions that work for x and y Graph line by finding the x and y intercepts example 1 Graph line by finding x and y intercepts example 2 Finding the x intercept exercise1
	Unit 3 Graphs ofLinear Equations Graphs and applications of linear equations More with graphing and	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise Points on the coordinate plane exercise1 Points on the coordinate plane exercise2 Graphing a linear equation Ordered pair solutions of equations example1 Ordered pair solutions of equations example2 Ordered pair solutions of linear equations exercise1 Graph line from y=mx+b (example 1) **This is very important. Please see your instructor about this Graph line from y=mx+b (example 2) Graph line from y=mx+b (example 3) Rearrange equation to y=mx+b to graph line (example 1) Rearrange equation to y=mx+b to graph line (example 2) Finding solutions that work for x and y Graph line by finding the x and y intercepts example 1 Graph line by finding x and y intercepts example 2

9.3	Slope and applications	Finding the clane of the line from the growth of the line
9.3	Slope and applications	Finding the slope of the line from the graph of the line
		Intro to slope
		Slope of a line with a negative slope
		Finding the slope of the line when given two points
		Calculating and comparing slopes of different lines Determine slope from two points on a graphed line
		Determine the slope from two points on a graphed line
		(example of a line with a slope of zero) Comparing slopes
		Comparing slopes of different graphed lines exercise
		Slope of a horizontal line
		Intro to y=mx+b
		Word problem with linear equation
9.4	Equations of lines	Equation of line from the graph
	_q.a.a	Finding equations of lines given different information (many
		examples)
		Equation of lines that are vertical and horizontal
9.5	Graphing using the slope and	Graphing the line using the slope and y-intercept
0.0	y-intercept	More examples of graphing using y intercept and slope
	Summary and review (Unit 3)	More examples of graphing doing y intercept and eleps
	Chapter test Unit 3	
	•	
	Unit 4 Polynomials:	
	Operations and Factoring	
10.1	Integers and exponents	Intro to exponential notation (10.1a)
		What an exponent means
		Exponential notation example1
		How to handle having a zero as an exponent (10.1b)
		Evaluating algebraic expressions (10.1c) this video shows
		how to handle exponents with negative bases
		Negative bases and odd vs even exponents example1
		Multiplying powers with like bases (10.1d)
		Dividing powers with like bases (10.1e)
		Rewriting negative exponents as positive exponents
		example1
		Rewriting negative exponents as positive exponents
		example2
		Rewriting negative exponents as positive exponents and vice
		<u>versa</u>
		Raising exponents to exponents
		Properties of integer exponents
		More on exponents
		More practice with exponents
	***************************************	Practice with exponents
	*Complete supplementary	
	exercise sheet on exponents	
40.0	(seeyour instructor	
10.2	Exponents and Scientific	Intro to scientific notation (many examples and explanations)
	Notation	Multiplication with scientific notation
		Scientific notation multiplication
		Scientific notation division
		Scientific notation multiplying and dividing example
10.2	Introduction to Dolynomials	Identifying the terms of a polynomial (40.2h)
10.3	Introduction to Polynomials	Identifying the terms of a polynomial (10.3b)
10.4	Addition and subtraction of	Adding like terms and simplifying polynomials
	polynomials	Adding like terms in polynomials
		Subtracting polynomials (10.4c) Important video about showing
		how to handle subtraction sign outside a bracket
10.5	Multiplication of malana and a	Addition and subtraction of polynomials example1
10.5	Multiplication of polynomials	Multiplying binomials (many good examples of how to do this)
		Multiplying monomial by polynomial

	T	
		Multiplying two binomials from 10.5C (*This is important, please
		review)
		Multiplying two binomials exercise1
10.6	Special products	Squaring a binomial 10.6c (this is an important video)
		Squaring a binomial example1
		Squaring a binomial example2
		Difference of squares example1
10.7	Operations with polynomials in	Adding and simplifying polynomials with more than one variable
	several variables	Add polynomials with different variables
		Subtracting polynomials with multiple variables
		Multiplication of polynomials with several variables example1
10.8	Division of polynomials by a	Dividing a polynomial by a monomial example1
	monomial	
11.1	Introduction to common	Intro to Factoring (dividing out the Greatest Common
a,b	factoring	Factor-GCF)
,	ů .	Finding the GCF of both terms in a binomial example1
		Finding the GCF of both terms in a binomial example2
		Factoring out the GCF from all terms of a trinomial
11.2	Factoring trinomials	Factoring trinomial (*This video is very important)
	S .	Factoring Trinomial example1
		Factoring trinomial exercise1
		Factoring trinomial where GCF must be factored out first
		example1
		Factoring trinomial where GCF must be factored out first
		example2
11.5	Factoring differences of squares	Intro to factoring difference of squares
c,d	3	Factoring difference of squares exercise1
-,-		Factoring difference of squares exercise2
		Factoring difference of squares example1
		Factoring difference of squares example2
	Cummery and review (Unit 4)	
	Summary and review (Unit 4)	
	Chapter test Unit 4	
	Math 053 review	
	Math 053 final exam	