

## School of Access Academic and Career Foundations Department

## MATH 057 Intermediate Mathematics 2

## **VIDEO LINKS**

	VIDEO ENVIO		
	MATH 057 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 (2) Comparing 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 (Exponential notation)	Exponents explained  Difference between powers (exponents) and multiplication  How to use exponent key on calculator
R7	Dividing whole numbers and decimals	Division explained (1) Division explained (2) Long division Dividing numbers: intro to remainders2- 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	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) Fractions in lowest terms Practice simplifying fractionsComparing 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	Division that results in a
		<u>fractionDividing fractions</u>
		Fraction Division: multiply by reciprocal
		Dividing mixed numbers
		Dividing Fractions and writing with division
		symbolDividing fractions word problem (1)
		Dividing fractions word problems (2)
		Dividing fractions word problems (3)
		<u>Dividing fractions word problem (4)</u>
		Dividing fractions word problems (5)
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
0		questionEstimating a decimal
		Rounding decimals on number line
		Practice rounding decimals on the number line
	Dractice Test (Unit D)	Fractice rounding decimals on the number line
	Practice Test (Unit R)	
	Unit R final test (no calculator)	
	Start of i	math 053 course material
	Math 053 Course	Video Links
	Unit 1 Introduction to	
	Real Numbers and	
	Algebraic Expressions	
7.1	Introduction to algebra	AATI - Louis - Louis - Louis - Little - Constant
7.1	Introduction to algebra	I VVNV we don't use a multiplication sign
7.1	Introduction to algebra	Why we don't use a multiplication sign  Evaluating an expression with one variable
7.1	introduction to algebra	Evaluating an expression with one variable
7.1	introduction to algebra	Evaluating an expression with one variable Evaluating an expression practice question
7.1	introduction to algebra	Evaluating an expression with one variable  Evaluating an expression practice question  Evaluating an algebra expression with two variables (1)
	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)
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 line
		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 line  Plotting fractions on number line
		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 line Plotting fractions on number line Ordering negative numbers from least to greatest
		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 line Plotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than
		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 line  Plotting fractions on number line  Ordering negative numbers from least to greatest  Greater than or less than  Absolute value
		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 line Plotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value
		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 line Plotting fractions on number line Ordering negative numbers from least to greatest Greater than or less than Absolute value More on Absolute Value Classifying 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 line Plotting 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	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 line Plotting 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	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 line Plotting 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	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 line Plotting 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	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 line Plotting 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
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 line Plotting 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  Evaluating an expression with oversion Evaluating an expression with two variables (1) Evaluating an expression with two variables (2)  Plotting decimals on number line Plotting fractions on number line Plotting
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 line Plotting 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	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 line Plotting 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  Evaluating an expression with oversion Evaluating an expression with two variables (1) Evaluating an expression with two variables (2)  Plotting decimals on number line Plotting fractions on number line Plotting
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 line Plotting 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	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 line Plotting 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 Word Problem with Temperature Subtracting Integer word problem with money
7.2	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 line Plotting 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 Word Problem with Temperature Subtracting Integer word problem with money Multiplying Integers intro
7.2	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 line Plotting 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 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	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 line Plotting 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 Integers word problem with money Multiplying Integers intro Why two negatives in a multiplication results in a positive Practice multiplying positive and negative numbers 1 Practice multiplying positive and negative numbers 2
7.2	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 line Plotting 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 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
7.2 7.3 7.4	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 line Plotting 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 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	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 line Plotting 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 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 Writing the Reciprocal of a fraction
7.2 7.3 7.4	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 line Plotting 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 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	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 line Plotting 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 Dividing by Zero explained Writing the Reciprocal of a fraction

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 additive
		<u>inverse)</u>
		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
		Collecting like terms 2
7.8	Simplifying expressions; order of	Intro to order of operations
	operations	Order of operations example 1
	'	Order of operations example 2
		Order of operations example 3
		Order of operations example 4
	Summary and review unit 1	
	Unit 1 test Real Numbers and	
	Algebraic Expressions	
	Unit 2 ☐ Solving Equations	
	and Inequalities	
8.1	Solving Equations: the addition	Intro to why we can do the same to both sides of the
	principle	equation to help solve the equation
		Solving a simple equation example that uses the addition
		<u>principle</u>
		Addition principle example 1
		Addition principle example 2
		Addition principle example 3
		How to solve an equation intro
8.2	Solving Equations: the	Using the multiplication principle to solve a simple
	multiplication principle	<u>equation</u>
		Single step algebra questions with fractions
		Using cross multiply to solve algebra questions containing
		fractions Using cross multiply to solve algebra questions
8.3	Using the Principles together	
0.3	Osing the Philoples 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 one question
		example 2
		Using addition and multiplication principles on one question
		example 3
		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
		example 1
		Solving equation with variables on both sides of equal sign
		example 2
		Solving equation with variables on both sides of equal sign
		example 3
		Solving equations that use the distributive property to clear
		brackets example 1
		Distributive property when question includes fractions
		Solving equations that use the distributive property that
		include clearing fractions
		Example Equations that have either no solution or many solutions
0.4	Formulas	Solving equations with more than one solution
8.4	Formulas	Rearrange formula to isolate a specific variable example 1
		Rearrange formula to isolate a specific variable example 2 Rearrange formula to isolate a specific variable example 3
1	I and the second	r Nearranne Torrinia Torrisolate a Specific Variable example 3

		Rearrange formula to isolate a specific variable example 4
		Rearrange formula to isolate a specific variable example 5
8.5	Applications of Percent	Translating and solving a percent problem (using the
		equation method) example 1
		Translating and solving a percent problem (using the
		equation method) example 2
		Translating and solving a percent problem (using the
		equation method) example 3
		Example of percent word problem (50% off sale)
		Example of percent problem (14% commission)  Example of percent problem that use proportion method
0.6	Applications of Droblem Colving	
8.6	Applications of Problem Solving	Word problem
		Using Equation method to solve percent question for the original
8.7	Colving Inaqualities	price/value
0.7	Solving Inequalities	Plotting inequalities on number line example 1 Plotting inequalities on number line example 2
		Writing inequalities  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 solving	Inequality word problem example 1
	and inequalities	Inequality word problem example 2
	Summary and review (Unit 2)	
	Unit 2 test Solving Equations	
	Unit 3 ☐ Graphs of	
	Unit 3 ☐ Graphs of Linear Equations	
9.1	Linear Equations Graphs and applications of linear	Intro to Rene Descartes and Linear Equations
9.1	Linear Equations	Plotting ordered pairs
9.1	Linear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane
9.1	Linear Equations Graphs and applications of linear	Plotting ordered pairs Quadrants of coordinate plane Graphing points and naming quadrant exercise
9.1	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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	Linear 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)
	Linear 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
9.1	Linear 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
	Linear 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 Graph line by finding x and y intercepts example 2
	Linear 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 Finding the x intercept exercise1
	Linear 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
9.2	Linear Equations Graphs and applications of linear equations  More with graphing and intercepts	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 Finding the x intercept exercise1 Finding the x intercept example2
	Linear 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 Finding the x intercept exercise1 Finding the slope of the line from the graph of the line
9.2	Linear Equations Graphs and applications of linear equations  More with graphing and intercepts	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 Finding the x intercept exercise1 Finding the slope of the line from the graph of the line Intro to Slope 1
9.2	Linear Equations Graphs and applications of linear equations  More with graphing and intercepts	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 Finding the x intercept exercise1 Finding the slope of the line from the graph of the line

Calculating and comparing slopes of different lines			Finding the slope of the line when given two points
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 Slo			
Determine the slope from two points on a graphed line   fexample of a line with a slope of zero)			
Summary and review (Unit 3)			
Comparing slopes   Comparing slopes of different graphed lines exercise			
Comparing slopes of different graphed lines exercise   Slope of a horizontal line   Intro to y=mx+b   Word problem with linear equation			
Slope of a horizontal line			
Intro to y=mx+b   Word problem with linear equation			
Equations of lines			
Finding equations of lines given different information (many examples)			Word problem with linear equation
9.5 Graphing using the slope and y- intercept  Summary and review (Unit 3)  Unit 3 test Graphs of Linear Equations  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 as positive exponents (1) Rewriting negative exponents as positive exponents  **Complete supplementary exercise sheet on exponents (see your instructor  10.2 Exponents and Scientific Notation  Exponents and Scientific Notation  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 is important 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 (2) Rewriting negative exponents as positive exponents (2) Rewriting negative exponents be exponents Raising exponents  **Complete supplementary exercise sheet on exponents (see your instructor  **Complete supplementary exercise sheet on exponents (see your instructor  **Complete supplementary exercise sheet on exponents (see your instructor  **Complete supplementary exercise sheet on exponents (see your instructor)  **Toperties of integer exponents  **Adio in the exponents  **Intro to scientific notation (many examples and explanations) Multiplication with scientific notation  **Scientific notation multiplying and dividing example  **Intro to scientific notation multiplying and dividing examp	9.4	Equations of lines	Equation of line from the graph
Equation of lines that are vertical and horizontal			Finding equations of lines given different information (many
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Multiplying two binomials from 10.5C	10.5	iviuitiplication of polynomials	

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
10.7	several variables	Add polynomials with different variables
	oovoral variables	Subtracting polynomials with multiple variables
		Multiplication of polynomials with several variables
10.8	Divide polynomial by monomial	Dividing a polynomial by a monomial example1
11.1	Introduction to common	Intro to finding GCF
a,b	factoring	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)
11.2	T dotoring trinornals	Factoring Trinomial example1
		Factoring trinomial exercise1
		Factoring trinomial where GCF must be factored out first (1)
		Factoring trinomial where GCF must be factored out first (2)
11.5	Factoring differences of squares	Intro to factoring difference of squares
c,d		Factoring difference of squares exercise1 Factoring difference of squares exercise2
		Factoring difference of squares example1
		Factoring difference of squares example2
	Summary and review (Unit 4)	
	Unit 4 test Polynomials	
	Math 053 review	
	Math 053 final exam	
	Unit 5 – Trigonometry	
5.1	The Right Triangle	Intro to triangles
5.2	Angles and Sides	Name the parts of a right triangle
0.2	r ingles and slass	- I ame and parts of a right manage
5.3	The Pythagorean Theorem	Intro to Pythagorean Theorem
		Pythagorean Theorem Example 1
		Pythagorean Theorem Example 2
		Pythagorean Theorem Example 3 How to use square root key on calculator
5.4	The Tangent Ratio	Trig questions that use tangent ratio
5.5	Using the Tangent Ratio	Using inverse tan to find angle
5.6	The Sine and Cosine Ratios	How to use the calculator to solve Trig questions
5.0	The one and obside Ratios	Using the Sine, Cosine and Tangent Ratios
		Use Trig to Solve side length and angles of right triangle
		Sine cos and tangent questions
5.7		Using SOH CAH TOA (1)
		Using SOHCAH TOA (2) Triggnemetry Word Problem Practice Example 1
		Trigonometry Word Problem Practice Example 1 Trig word problems angle of elevation/depression 1
	Practice test in booklet	The word problems drigte or elevation/depression i
	Unit 5 test Trigonometry	
	Unit 6 – Vectors	
p.10	Problem Sets	Addition of two vectors
ρ. 10	i Tobietti Sets	Intro to vectors
		Calculate magnitude
		and direction of vector
		Adding two vectors to determine resulting vector
		Adding two vectors (1)
		Add two vectors (2) Word Problem with ships and ocean
	Practice test on Vectors	word Problem with Ships and ocean
	Unit 6 test Vectors	
	OTHE O LESE VECTORS	