Section	Learning Target	Procedural Context To Master	L − T Result	Re-Test Result
	1 1			
1	1 – 1 Numeracy Basics, GCF and LCM, and Exponent Laws	 Numeracy Fundamentals Prime Factors and Factors Lowest Common Multiple and Greatest Common Factor Basic understanding of Multiple versus Factor Using Prime Factors to Determine LCM and GCF Exponent Laws All laws and rules from grade nine Include rational and negative exponents 		
	1 – 2 Radicals and Their Relationship to Roots and Exponents Workbook 1.2a-1.2b	 Understand how the number of identical factors relates to the index of the radical Solving radical expressions without a calculator Simplifying Irrational Radical Expressions Using multiple techniques Difference between squares, cubes, etc. Converting from Mixed to Entire Radicals Breaking out of the root versus going back in 		
2	2 – 1	Domain and Range (Set Notation)		
	Relations and Functions	 Understand the Difference between: Relations, Functions, and 1 – 1 Functions Using the Vertical and Horizontal Line Test to distinguish between the three scenarios Understanding input/output with respect to x/y Graphing Non-Linear Equations Quadratics Domain and Range 		
	2 – 2 Linear Equations, Slope, and Rates of Change Workbook 2.2a-2.2b	 Graph Slope-Intercept Form and Standard Form Slope: From a Graph From Two Points (Using Slope Equation) 4 types of Slope Rates of Changes Relationship to Slope with Units Contextual Examples link to Slope-Intercept Form 		
	2 – 3 Arithmetic Sequence and Series Workbook 2.3	 Identify the Common Difference Understand the Sequence Equation: t_n = t₁ + (n - 1)d t₁ = a, they are interchangeable Solving for various missing information Arithmetic Series Use the provided equation when necessary Solve for n first with sequence equation 		

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3	3 – 1 Linear Equations: The Three Forms Workbook 3.1a-3.1b	 Slope-Intercept/Standard and General/Point-Slope Form Solving given particular information Know which equation is the most appropriate Algebraically Manipulate to achieve the desired form Graphing form a Slope and a Point, Two Points, or Intercepts 		
	3 – 2 Writing Equations of Lines Workbook 3.2	 Write an equation is a given form Depending on information provided, know where to start Horizontal and Vertical Lines Parallel and Perpendicular Slopes and how they relate 		
	3 – 3 Applications and Function Notation Workbook 3.3a-3.3b	 Understand how Linear Modelling applies to contextualized scenarios Accurately translate math equations from word problems Understand function notation Relationship between inputs and outputs x versus f(x) f(x) = y 		
4	4 – 1 Solving Systems of Equations Using Graphing and Addition Method	 Understand how systems of equation have solutions Infinite Solutions/One Solution/No Solutions Graphing to achieve a result Understand how slope and y - intercept relate to potential solutions Use slope and intercepts to graph accurately Use the Addition Method to Solve for Solutions How does addition eliminate a variable? Using multiples to ensure elimination Difference between 0 and Infinite Solutions in an equation 		
	4 – 2 Solving Systems of Equations Using Substitution and Two-Variable Word Problems Workbook 4.2a-4.2b	 Use the Substitution Method to Solve for Solutions Algebraically Manipulate when Necessary Substitute into a given equation to eliminate a variable Solve and substitute to solve for the remaining variable Understand how solutions represent (x, y) coordinates Set-up 2-varaible word problems and use elimination techniques to derive solutions 		

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5	5 – 1 Polynomial Basics and Simple Multiplication Workbook 5.1a-5.1b	 Polynomial Vocabulary Term, Degree, Leading Term, Descending Order Difference between a Polynomial and Non-Polynomial Combining Like Terms and Evaluating Polynomials Multiplication of Polynomials Understand Distributivity (WATERBOMBING) Monomial with Monomial Monomial with Polynomial Binomial Multiplication (FOIL) Binomial with Polynomial (Distributivity) 		
	5 — 2 Introduction to Factoring Workbook 5.2a-5.2b	 Factoring Polynomials Factoring using GCF Factoring basic non-a-term Trinomials Difference of Squares and Perfect Square Trinomials 		
	5 – 3 Factoring Complex Quadratics Workbook 5.3	 Factoring Quadratics with an a-term Factor out leading term if possible Factor using the AC Method Factor by Grouping 		

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6	6 – 1 <u>Right-Angle Triangle</u> <u>Trigonometry</u> Workbook 6.1a-6.1d	 Understanding Trigonometric Vocabulary Sine, Cosine, Tangent as Ratios Opposite, Adjacent, Hypotenuse Understanding how to accurately use your calculator Degree Mode Which Function to use to Solve for an Angle vs Side SOH CAH TOA Understanding Ratios – Algebra of Ratio Solving Correct Identification of given sides and angles Special Angle Ratio 30 – 60 – 90 45 – 45 – 90 Relation to the Unit Circle Solving Trigonometry Questions in Context 		
	- - 4			
7	7 — 1 Ways of Earning Workbook 7.1a-7.1b	 Understand how to calculate different methods of income Hourly (including overtime) Hourly with Tips Commission and Salary Bi-Weekly versus Semi-Monthly 		
	7 – 2 Deductions Workbook 7.2	 Gross versus Net pay Consider and Calculate Deductions CPP and EI Income Tax Discuss Taxes and other Potential Deductions 		