Correlation from McGraw Hill Ryerson to Pearson:

Pre-calculus 12

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 1 Function Transformations	**Chapter 3 Transforming Graphs of Functions**	
1.1 Horizontal and Vertical Transformations	3.1 Translating Graphs of Functions	RFSO2, AI: 2.1; 2.2; 2.4; 2.5
1.2 Reflections and Stretches	3.2 Reflecting Graphs of Functions 3.3 Stretching and Compressing Graphs of Functions	RFSO5, AI: 5.1; 5.2; 5.3; 5.4; 5.5 RFSO3, AI: 3.4, 3.5
1.3 Combining Transformations	3.4 Combining Transformations of Functions	RFSO4, AI: 4.1; 4.2
1.4 Inverse of a Relation	3.5 Inverse Relations	RFSO6, AI: 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.7; 6.8

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 2 Radical Functions	**Chapter 2 Radical and Rational Functions**	
2.1 Radical Functions and Transformations	2.1 Properties of Radical Functions 3.1 Translating Graphs of Functions 3.2 Reflecting Graphs of Functions 3.3 Stretching and Compressing Graphs of Functions 3.4 Combining Transformations of Functions	RFSO13, AI: 13.1; 13.2; 13.3; 13.4
2.2 Square Root of a Function	2.1 Properties of Radical Functions	RFSO13, AI: 13.3; 13.4
2.3 Solving Radical Equations Graphically	2.1 Properties of Radical Functions	RFSO13, AI: 13.5; 13.6

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 3 Polynomial Functions	**Chapter 1 Polynomial Expressions and Functions**	
3.1 Characteristics of Polynomial Functions	1.3 Math Lab: Graphing Polynomial Functions 1.4 Relating Polynomial Functions and Equations	RFSO12, AI: 12.1; 12.2; 12.3
3.2 The Remainder Theorem	1.1 Dividing a Polynomial by a Binomial 1.2 Factoring Polynomials	RFSO11, AI: 11.1; 11.2; 11.4
3.3 The Factor Theorem	1.1 Dividing a Polynomial by a Binomial 1.2 Factoring Polynomials	RFSO11, AI11.5
3.4 Equations and Graphs of Polynomial Functions	1.4 Relating Polynomial Functions and Equations 1.5 Modelling and Solving Problems with Polynomial Functions	RFSO11, AI11.3 RFSO12, AI12.7

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 4 Trigonometry and the Unit Circle	**Chapter 6 Trigonometry** **Chapter 7 Trigonometric Equations and Identities**	
4.1 Angles and Angle Measure	6.1 Trigonometric Ratios for Any Angle in Standard Position 6.2 Math Lab: Angles in Standard Position and Arc Length 6.3 Radian Measure	TSO1, AI: 1.1; 1.2; 1.3; 1.4; 1.5; 1.6; 1.7; 1.8; 1.9
4.2 The Unit Circle	6.1 Trigonometric Ratios for Any Angle in Standard Position	TSO2, AI: 2.1; 2.3
4.3 Trigonometric Ratios	6.1 Trigonometric Ratios for Any Angle in Standard Position 6.3 Radian Measure	TSO2, AI: 2.2 TSO3, AI: 3.1; 3.2; 3.3; 3.4; 3.5; 3.6
4.4 Introduction to Trigonometric Equations	7.2 Solving Trigonometric Equations Algebraically	TSO5, AI: 5.2; 5.3; 5.6

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 5 Trigonometric Functions and Graphs	**Chapter 6 Trigonometry** **Chapter 7 Trigonometric Equations and Identities**	
5.1 Graphing Sine and Cosine Functions	6.4 Math Lab: Graphing Trigonometric Functions 6.5 Trigonometric Functions	TSO4, AI: 4.1; 4.2; 4.3; 4.6
5.2 Transformations of Sinusoidal Functions	6.5 Trigonometric Functions 6.6 Combining Transformations of Sinusoidal Functions	TSO4, AI: 4.4; 4.5; 4.7; 4.8; 4.9; 4.11
5.3 The Tangent Function	6.4 Math Lab: Graphing Trigonometric Functions 6.5 Trigonometric Functions	TSO4, AI: 4.1; 4.2
5.4 Equations and Graphs of Trigonometric Functions	6.7 Applications of Sinusoidal Functions 7.1 Solving Trigonometric Equations Graphically 7.2 Solving Trigonometric Equations Algebraically	TSO4, AI: 4.10; 4.12 TSO5, AI: 5.3; 5.4; 5.5

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 6 Trigonometric Identities	**Chapter 7 Trigonometric Equations and Identities**	
6.1 Reciprocal, Quotient, and Pythagorean Identities	7.3 Reciprocal and Quotient Identities 7.4 The Pythagorean Identities	TSO6, AI: 6.1; 6.2; 6.3; 6.4; 6.5; 6.6
6.2 Sum, Difference, and Double-Angle Identities	7.5 Sum and Difference Identities 7.6 Double-Angle Identities	TSO6, AI: 6.5; 6.7
6.3 Proving Identities	7.3 Reciprocal and Quotient Identities 7.4 The Pythagorean Identities 7.5 Sum and Difference Identities 7.6 Double-Angle Identities	TSO6, AI: 6.2; 6.5; 6.6
6.4 Solving Trigonometric Equations Using Identities	7.3 Reciprocal and Quotient Identities 7.4 The Pythagorean Identities 7.5 Sum and Difference Identities 7.6 Double-Angle Identities	TSO5, AI 5.2

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Chapter 7 Exponential Functions	**Chapter 5 Exponential and Logarithmic Functions**	
7.1 Characteristics of Exponential Functions	5.1 Math Lab: Graphing Exponential Functions 5.2 Analyzing Exponential Functions	RFSO9, AI: 9.1; 9.2 RFSO10, AI: 10.5
7.2 Transformations of Exponential Functions	5.2 Analyzing Exponential Functions	RFSO9, AI: 9.3 RFSO10, AI: 10.8
7.3 Solving Exponential Equations	5.3 Solving Exponential Equations	RFSO10, AI: 10.1; 10.2; 10.8

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 8 Logarithmic Functions	**Chapter 5 Exponential and Logarithmic Functions**	
8.1 Understanding Logarithms	5.4 Logarithms and the Logarithmic Function	RFSO7, AI: 7.1; 7.2; 7.3; 7.4 RFSO9, AI: 9.4; 9.5 RFSO10, AI 10.7
8.2 Transformations of Logarithmic Functions	5.6 Analyzing Logarithmic Functions	RFSO9, AI 9.6 RFSO10, AI 10.7
8.3 Laws of Logarithms	5.5 The Laws of Logarithms	RFSO8, AI: 8.1; 8.2; 8.3; 8.4 RFSO10, AI 10.7
8.4 Logarithmic and Exponential Equations	5.7 Solving Logarithmic and Exponential Equations 5.8 Solving Problems with Exponents and Logarithms	RFSO10, AI: 10.2; 10.3; 10.5; 10.6; 10.8

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 9 Rational Functions	**Chapter 2 Radical and Rational Functions** **Chapter 3 Transforming Graphs of Functions**	
9.1 Exploring Rational Functions Using Transformations	2.2 Math Lab: Graphing Rational Functions 3.1 Translating Graphs of Functions 3.2 Reflecting Graphs of Functions 3.3 Stretching and Compressing Graphs of Functions	RFSO14, AI: 14.1; 14.2
9.2 Analysing Rational Functions	2.3 Analyzing Rational Functions 2.4 Sketching Graphs of Rational Functions	RFSO14, AI: 14.3; 14.4; 14.5
9.3 Connecting Graphs and Rational Equations	2.4 Sketching Graphs of Rational Functions	RFSO14, AI: 14.6; 14.7

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 10 Function Operations	**Chapter 4 Combining Functions**	
10.1 Sums and Differences of Functions	4.1 Math Lab: Combining Functions Graphically 4.2 Combining Functions Algebraically	RFSO1, AI: 1.1; 1.2; 1.3
10.2 Products and Quotients of Functions	4.1 Math Lab: Combining Functions Graphically 4.2 Combining Functions Algebraically	RFSO1, AI: 1.1; 1.2; 1.3
10.3 Composite Functions	4.3 Introduction to Composite Functions 4.4 Determining Restrictions on Composite Functions	RFSO1, AI: 1.5; 1.6; 1.7; 1.8?

McGraw Hill Ryerson Pre-Calculus 12	Pearson Pre-calculus 12	Correlation with WNCP Curriculum
Chapter 11 Permutations, Combinations, and the Binomial Theorem	**Chapter 8 Permutations and Combinations**	
11.1 Permutations	8.1 The Fundamental Counting Principle 8.2 Permutations of Different Objects 8.3 Permutations Involving Identical Objects	PCBTSO1, AI: 1.1; 1.3 PCBTSO2, AI: 2.1; 2.2; 2.3; 2.5; 2.6
11.2 Combinations	8.4 Combinations	PCBTSO3, AI: 3.1; 3.2; 3.3; 3.4; 3.6
11.3 The Binomial Theorem	8.5 Math Lab: Pascal's Triangle 8.6 The Binomial Theorem	PCBTSO4, AI: 4.1; 4.2; 4.3; 4.4; 4.5; 4.6