Grade 12- Pre-Calculus Yearly Plan 2018-2019

August 28, 2018--November 1, 2018	November 4, 2018--January 17, 2019	January 20, 2019--March 21, 2019	March 24, 2019--June 3, 2019
A.1 Real Numbers and Their Properties **A.2 Exponents and Radicals** **A.3 Polynomials and Factoring** **A.4 Rational Expressions** **A.5 Solving Equations** **A.6 Linear Inequalities in One Variable** **A.7 Errors and the Algebra of Calculus** **1.3 Linear Equations in Two Variables** **1.4 Functions** **1.8 Combinations of Functions** **1.9 Inverse Functions**	**2.1 Quadratic Functions and Models** **2.2 Polynomial Functions of Higher Degree** **2.3 Polynomial and Synthetic Division** **2.4 Complex Numbers** **2.5 Zeros of Polynomial Functions** **2.6 Rational Functions** **2.7 Nonlinear Inequalities** **3.1 Exponential Functions and Their Graphs** **3.2 Logarithmic Functions and Their Graphs** **3.3 Properties of Logarithms** **3.4 Exponential and Logarithmic Equations** **3.5 Exponential and Logarithmic Models**	**4.1 Radian and Degree Measure** **4.2 Trigonometric Functions: The Unit Circle** **4.3 Right Triangle Trigonometry** **4.4 Trigonometric Functions of Any Angle** **4.5 Graphs of Sine and Cosine Functions** **4.6 Graphs of Other Trigonometric Functions** **4.7 Inverse Trigonometric Functions** **4.8 Applications and Models** **5.1 Using Fundamental Identities** **5.2 Verifying Trigonometric Identities** **5.3 Solving Trigonometric Equations** **5.4 Sum and Difference Formulas** **5.5 Multiple-Angle and Product-to-Sum Formulas** **6.1 Law of Sines** **6.2 Law of Cosines** **6.3 Vectors in the Plane** **6.4 Vectors and Dot Products** **6.5 Trigonometric Form of a Complex Number**	**7.1 Linear and Nonlinear Systems of Equations** **7.2 Two-Variable Linear Systems** **7.3 Multivariable Linear Systems** **7.4 Partial Fractions** **7.5 Systems of Inequalities** **7.6 Linear Programming**
Global Citizenship **The book uses a lot of applicable word-problems.**	**Global Citizenship** **The book uses a lot of applicable word-problems.**	**Global Citizenship** **The book uses a lot of applicable word-problems.**	**Global Citizenship** **The book uses a lot of applicable word-problems.**