

ShareWorld Learning Center
2021 06/14~08/04 Precalculus

Instructor: Michael Lee

Textbook:

Precalculus Graphical, Numerical, Algebraic Seventh Edition
ISBN-10: 013227650X, 0321356934, ... or 0321374231 (Annotated Teacher's Edition)

Student Express 2 CD-ROM Set (textbook):

Precalculus Graphical, Numerical, Algebraic Seventh Edition
ISBN-10: 0321409957

Date	Syllabus	Date	Syllabus
06/14	P.1 Real Numbers P.2 Cartesian Coordinate System P.3 Linear Equations and Inequalities P.4 Lines in the Plane P.5 Solving Equations Graphically, Numerically, and Algebraically P.6 Complex Numbers P.7 Solving Inequalities Algebraically And Graphically Homework: P.66~68 #1~83 (RED #'s)	06/16	Continue P.1 Real Numbers P.2 Cartesian Coordinate System P.3 Linear Equations and Inequalities P.4 Lines in the Plane P.5 Solving Equations Graphically, Numerically, and Algebraically P.6 Complex Numbers P.7 Solving Inequalities Algebraically And Graphically Homework: P.66~68 #1~83 (RED #'s)
06/21	Test (Chapter P) 1.1 Modeling and Equation Solving 1.2 Functions and Their Properties 1.3 Twelve Basic Functions 1.4 Building Functions from Functions 1.5 Parametric relations and Inverses 1.6 Graphical Transformations 1.7 Modeling with Functions Homework: P.165~167 #1~68 (RED #'s)	06/23	Continue 1.1 Modeling and Equation Solving 1.2 Functions and Their Properties 1.3 Twelve Basic Functions 1.4 Building Functions from Functions 1.5 Parametric relations and Inverses 1.6 Graphical Transformations 1.7 Modeling with Functions Homework: P.165~167 #1~68 (RED #'s)
06/28	Test (Chapter 1) 2.1 Linear and Quadratic Functions and Modeling 2.2 Power Functions with Modeling 2.3 Polynomial Functions of Higher Degree with Modeling 2.4 Real Zeros of Polynomial Functions 2.5 Complex Zeros and the Fundamental Theorem of	06/30	Continue 2.1 Linear and Quadratic Functions and Modeling 2.2 Power Functions with Modeling 2.3 Polynomial Functions of Higher Degree with Modeling 2.4 Real Zeros of Polynomial Functions 2.5 Complex Zeros and the Fundamental Theorem of

	Algebra 2.6 Graphs of Rational Functions 2.7 Solving Equations in One Variable 2.8 Solving Inequalities in One Variable Homework: P.269~272 #1~95 (RED #'s)		Algebra 2.6 Graphs of Rational Functions 2.7 Solving Equations in One Variable 2.8 Solving Inequalities in One Variable Homework: P.269~272 #1~95 (RED #'s)
07/05	Test (Chapter 2) 3.1 Exponential and Logistic Functions 3.2 Exponential and Logistic Modeling 3.3 Logarithmic Functions and Their Graphs 3.4 Properties of Logarithmic Functions 3.5 Equation Solving and Modeling 3.6 Mathematics of Finance Homework: P.344~347 #1~99 (RED #'s)	07/07	Continue 3.1 Exponential and Logistic Functions 3.2 Exponential and Logistic Modeling 3.3 Logarithmic Functions and Their Graphs 3.4 Properties of Logarithmic Functions 3.5 Equation Solving and Modeling 3.6 Mathematics of Finance Homework: P.344~347 #1~99 (RED #'s)
07/12	4.1 Angles and Their Measures 4.2 Trigonometric Functions of Acute Angles 4.3 Trigonometry Extended: The Circular Functions 4.4 Graphs of Sine and Cosine: Sinusoids 4.5 Graphs of Tangent, Cotangent, Secant, and Cosecant 4.6 Graphs of Composite Trigonometric Functions 4.7 Inverse Trigonometric Functions 4.8 Solving Problems with Trigonometry Homework: P.439~441 #1~106 (RED #'s)	07/14	Continue 4.1 Angles and Their Measures 4.2 Trigonometric Functions of Acute Angles 4.3 Trigonometry Extended: The Circular Functions 4.4 Graphs of Sine and Cosine: Sinusoids 4.5 Graphs of Tangent, Cotangent, Secant, and Cosecant 4.6 Graphs of Composite Trigonometric Functions 4.7 Inverse Trigonometric Functions 4.8 Solving Problems with Trigonometry Homework: P.439~441 #1~106 (RED #'s)
07/19	Test (Chapter 4) 5.1 Fundamental Identities 5.2 Proving Trigonometric Identities 5.3 Sum and Difference Identities 5.4 Multiple-Angle Identities 5.5 The Law of Sines 5.6 The Law of Cosines Homework: P.497~499 #1~77 (RED #'s)	07/21	Continue 5.1 Fundamental Identities 5.2 Proving Trigonometric Identities 5.3 Sum and Difference Identities 5.4 Multiple-Angle Identities 5.5 The Law of Sines 5.6 The Law of Cosines Homework: P.497~499 #1~77 (RED #'s)
07/26	Test (Chapter 5) 6.1 Vector in the Plane 6.2 Dot Product of Vectors	07/28	Continue 6.1 Vector in the Plane 6.2 Dot Product of Vectors

	6.3 Parametric Equations and Motion 6.4 Polar Coordinates 6.5 Graphs of Polar Equations 6.6 De Moivre's Theorem and nth Roots Homework: P.562~564 #1~90 (RED #'s)		6.3 Parametric Equations and Motion 6.4 Polar Coordinates 6.5 Graphs of Polar Equations 6.6 De Moivre's Theorem and nth Roots Homework: P.562~564 #1~90 (RED #'s)
08/02	Test (Chapter 6) 7.1 Solving Systems of Two Equations 7.2 Matrix Algebra 7.3 Multivariate Linear Systems and Row Operations 7.4 Partial Fractions 7.5 Systems of Inequalities in Two Variables Homework: P.626~629 #1~81 (RED #'s)	08/04	Continue 7.1 Solving Systems of Two Equations 7.2 Matrix Algebra 7.3 Multivariate Linear Systems and Row Operations 7.4 Partial Fractions 7.5 Systems of Inequalities in Two Variables Homework: P.626~629 #1~81 (RED #'s)