



Activity Log

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Student ID: 24149

Start Date: 8/31/2025

End Date: 10/22/2025

Wed, Oct 22nd, 2025 (103 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Expressing Rational Functions with Irreducible Quadratic Factors as Sums of Partial Fractions	16/13 XP
Mathematical Foundations III	Lesson	Using the First Derivative Test to Classify Local Extrema	16/16 XP
Mathematical Foundations III	Lesson	Evaluating Expressions Containing Inverse Trigonometric Functions	9/7 XP
Mathematical Foundations III	Lesson	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	31/25 XP
Mathematical Foundations III	Review	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	0/8 XP
Mathematical Foundations III	Quiz	Quiz 8	15/15 XP
Mathematical Foundations III	Lesson	Further Differentiation of Curves Given in Polar Form	16/13 XP

Tue, Oct 21st, 2025 (106 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	25/20 XP
Mathematical Foundations III	Lesson	Properties of Matrix Multiplication	19/15 XP
Mathematical Foundations III	Lesson	The Sum and Constant Multiple Rules for Definite Integrals	20/16 XP
Mathematical Foundations III	Lesson	Simplifying Trigonometric Expressions Using the Cotangent-Cosecant Identity	18/14 XP
Mathematical Foundations III	Lesson	Approximating Functions Using Local Linearity and Linearization	15/12 XP
Mathematical Foundations III	Lesson	Graphing the Inverse Sine Function	9/7 XP

Mon, Oct 20th, 2025 (83 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	6/4 XP
Mathematical Foundations III	Review	The Geometric Interpretation of the 2x2 Determinant	6/4 XP
Mathematical Foundations III	Quiz	Quiz 7	12/15 XP
Mathematical Foundations III	Review	Calculating the Vertex of a Parabola by Completing the Square	6/4 XP
Mathematical Foundations III	Multistep	Applying Definitions of Derivatives and Definite Integrals	14/14 XP
Mathematical Foundations III	Review	Expressing Rational Functions as Sums of Partial Fractions	7/7 XP
Mathematical Foundations III	Lesson	Defining Definite Integrals Using Left and Right Riemann Sums	16/13 XP
Mathematical Foundations III	Lesson	Intervals of Concavity	9/7 XP
Mathematical Foundations III	Lesson	Simplifying Expressions Using the Secant-Tangent Identity	7/7 XP

Fri, Oct 17th, 2025 (134 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Defining Vector-Valued Functions	9/7 XP
Mathematical Foundations III	Lesson	Determining Intervals on Which a Function Is Increasing or Decreasing	16/13 XP
Mathematical Foundations III	Lesson	Left and Right Riemann Sums in Sigma Notation	14/11 XP
Mathematical Foundations III	Lesson	Using Differentiation to Calculate Critical Points	24/19 XP
Mathematical Foundations III	Lesson	Approximating Areas With the Right Riemann Sum	14/11 XP
Mathematical Foundations III	Quiz	Quiz 6	18/15 XP
Mathematical Foundations III	Lesson	The Cross Product of Two Vectors	7/7 XP
Mathematical Foundations III	Lesson	Trigonometric Equations Containing Transformed Tangent Functions	23/18 XP
Mathematical Foundations III	Lesson	Calculating the Magnitude of Cartesian Vectors in 3D	9/7 XP

Thu, Oct 16th, 2025 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Differentiating Curves Given in Polar Form	16/16 XP
Mathematical Foundations III	Lesson	General Solutions of Trigonometric Equations With Transformed Functions	20/20 XP
Mathematical Foundations III	Lesson	Multiplying Matrices	10/8 XP

Wed, Oct 15th, 2025 (107 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Conformability for Matrix Multiplication	9/7 XP
Mathematical Foundations III	Lesson	Multiplying a Matrix by the Identity Matrix	9/7 XP
Mathematical Foundations III	Lesson	Multiplying a Matrix by a Column Vector	9/7 XP
Mathematical Foundations III	Lesson	The Geometric Interpretation of the 2x2 Determinant	7/7 XP
Mathematical Foundations III	Lesson	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	18/14 XP
Mathematical Foundations III	Lesson	Polar Equations of Circles Centered at the Origin	9/7 XP
Mathematical Foundations III	Quiz	Quiz 5	18/15 XP
Mathematical Foundations III	Lesson	Euler's Formula	9/7 XP
Mathematical Foundations III	Lesson	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	19/25 XP

Mon, Oct 13th, 2025 (79 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Polar Form of a Complex Number	15/12 XP
Mathematical Foundations III	Review	Integration Using Substitution	6/4 XP
Mathematical Foundations III	Multistep	Combinatorics in Context	10/8 XP
Mathematical Foundations III	Review	Estimating Means and Variances For Grouped Data	8/6 XP
Mathematical Foundations III	Review	Mutually Exclusive Events	6/4 XP
Mathematical Foundations III	Lesson	Converting from Polar Coordinates to Cartesian Coordinates	13/13 XP

Mathematical Foundations III	Lesson	Sums of Infinite Geometric Series Given in Sigma Notation	14/11 XP
Mathematical Foundations III	Lesson	Inverses of 2x2 Matrices	7/8 XP

Fri, Oct 10th, 2025 (114 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Fundamental Theorem of Algebra with Cubic Equations	18/14 XP
Mathematical Foundations III	Lesson	Introduction to Polar Coordinates	10/10 XP
Mathematical Foundations III	Review	Calculating Limits of Radical Functions Using Conjugate Multiplication	5/5 XP
Mathematical Foundations III	Review	Limits of Reciprocal Functions	6/4 XP
Mathematical Foundations III	Quiz	Quiz 4	13/15 XP
Mathematical Foundations III	Lesson	Finding Intercepts of Ellipses	15/12 XP
Mathematical Foundations III	Lesson	The Determinant of a 3x3 Matrix	16/13 XP
Mathematical Foundations III	Lesson	Introduction to the Inverse of a Matrix	15/12 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	16/13 XP

Thu, Oct 9th, 2025 (109 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Equations of Ellipses Centered at a General Point	9/7 XP
Mathematical Foundations III	Lesson	Second Derivatives of Parametric Equations	16/13 XP
Mathematical Foundations III	Lesson	Integration Using Substitution	15/15 XP
Mathematical Foundations III	Lesson	Differentiating Parametric Curves	11/9 XP
Mathematical Foundations III	Lesson	Integrating Linear Rational Functions Using Substitution	9/7 XP
Mathematical Foundations III	Review	Verifying Solutions of Differential Equations	6/4 XP
Mathematical Foundations III	Lesson	Multiplying Square Matrices	15/12 XP
Mathematical Foundations III	Review	Integrating the Reciprocal Function	6/4 XP
Mathematical Foundations III	Quiz	Quiz 3	14/14 XP
Mathematical Foundations III	Multistep	Combinatorics in Context	8/8 XP

Wed, Oct 8th, 2025 (132 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Zero, Square, Diagonal and Identity Matrices	9/7 XP
Mathematical Foundations III	Lesson	Equations of Ellipses Centered at the Origin	7/7 XP
Mathematical Foundations III	Lesson	Calculating Circle Intercepts	11/9 XP
Mathematical Foundations III	Lesson	Finding the Sum of an Infinite Geometric Series	11/9 XP
Mathematical Foundations III	Lesson	The Double-Angle Formula for Cosine	9/7 XP
Mathematical Foundations III	Lesson	Calculating Acceleration for Straight-Line Motion Using Differentiation	9/7 XP
Mathematical Foundations III	Lesson	Determining Circle Properties by Completing the Square	9/7 XP
Mathematical Foundations III	Review	Expected Values of Discrete Random Variables	6/4 XP
Mathematical Foundations III	Lesson	Linear Regression	23/18 XP

Mathematical Foundations III	Lesson	Evaluating Limits at Infinity by Comparing Relative Magnitudes of Functions	9/7 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	13/13 XP
Mathematical Foundations III	Lesson	The Linear Correlation Coefficient	16/13 XP

Tue, Oct 7th, 2025 (74 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 2	18/15 XP
Mathematical Foundations III	Lesson	Calculating Limits of Radical Functions Using Conjugate Multiplication	13/10 XP
Mathematical Foundations III	Lesson	Approximating Areas With the Left Riemann Sum	20/16 XP
Mathematical Foundations III	Lesson	Introduction to Linear Transformations	14/16 XP
Mathematical Foundations III	Lesson	Calculating the Dot Product Using Components	9/7 XP

Mon, Oct 6th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating the Dot Product Using Angle and Magnitude	11/9 XP
Mathematical Foundations III	Lesson	Differentiating an Inverse Function at a Point	15/17 XP
Mathematical Foundations III	Lesson	Calculating Velocity for Straight-Line Motion Using Differentiation	13/10 XP
Mathematical Foundations III	Lesson	Rates of Change in Applied Contexts	14/11 XP
Mathematical Foundations III	Multistep	Graphs of Linear Equations and Inequalities	9/7 XP

Fri, Oct 3rd, 2025 (87 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Selecting Procedures for Calculating Derivatives	5/5 XP
Mathematical Foundations III	Review	Trigonometric Functions of Complementary Angles	6/4 XP
Mathematical Foundations III	Quiz	Quiz 1	12/15 XP
Mathematical Foundations III	Review	Modeling With Differential Equations	6/4 XP
Mathematical Foundations III	Review	Convergence of Geometric Series	6/4 XP
Mathematical Foundations III	Review	Solving Equations by Equating Real and Imaginary Parts	6/4 XP
Mathematical Foundations III	Lesson	Sums of Squares	19/15 XP
Mathematical Foundations III	Lesson	Inverses of Radical Functions	18/14 XP
Mathematical Foundations III	Lesson	The Transpose of a Matrix	9/7 XP

Thu, Oct 2nd, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Minors of a 3x3 Matrix	7/7 XP
Mathematical Foundations III	Lesson	Alternate Forms of the Pythagorean Identity	9/9 XP
Mathematical Foundations III	Lesson	Probability Mass Functions of Discrete Random Variables	7/7 XP
Mathematical Foundations III	Lesson	Covariance	10/10 XP

Mathematical Foundations III	Lesson	Simplifying Expressions Using the Pythagorean Identity	13/10 XP
Mathematical Foundations III	Lesson	Solving Quadratic Inequalities Using the Sign Table Method	16/13 XP

Wed, Oct 1st, 2025 (110 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Placement		63/ XP
Mathematical Foundations II	Lesson	The Power of Quotient Rule With Algebraic Expressions	9/7 XP
Mathematical Foundations II	Multistep	Limits of Trigonometric Functions and Instantaneous Rates of Change	9/9 XP
Mathematical Foundations II	Lesson	The Z-Score	16/13 XP
Mathematical Foundations II	Lesson	Estimating Means and Variances For Grouped Data	13/13 XP

Tue, Sep 30th, 2025 (125 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Determining Unknown Parameters in Quadratic Equations With One Real Solution	9/7 XP
Mathematical Foundations II	Lesson	The Power of Product Rule With Algebraic Expressions	9/7 XP
Mathematical Foundations II	Lesson	Finding Intersections of Lines and Reciprocal Functions	15/15 XP
Mathematical Foundations II	Lesson	Solving Logarithmic Equations by Combining the Laws of Logarithms	16/13 XP
Mathematical Foundations II	Quiz	Quiz 15	18/15 XP
Mathematical Foundations II	Lesson	Solving Systems of Nonlinear Equations Using Graphs	9/7 XP
Mathematical Foundations II	Lesson	Determining Unknown Parameters in Quadratic Equations With One Real Solution	0/7 XP
Mathematical Foundations II	Lesson	Inverses of Reciprocal Functions	11/11 XP
Mathematical Foundations II	Lesson	Constructing Functions Using Transformations	9/9 XP
Mathematical Foundations II	Multistep	Modeling Particle Motion Using Trigonometric Functions	1/10 XP
Mathematical Foundations II	Lesson	Determining Polynomial Coefficients Using the Factor Theorem	13/10 XP
Mathematical Foundations II	Lesson	Inverses of Exponential and Logarithmic Functions	15/12 XP

Mon, Sep 29th, 2025 (142 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Roots of Transformed Radical Functions	9/7 XP
Mathematical Foundations II	Lesson	The Domain and Range of Transformed Functions	7/7 XP
Mathematical Foundations II	Lesson	Solving Logarithmic Equations Using the Laws of Logarithms	11/9 XP
Mathematical Foundations II	Lesson	Properties of Transformed Tangent and Cotangent Functions	9/9 XP
Mathematical Foundations II	Lesson	Properties of Transformed Secant and Cosecant Functions	12/13 XP
Mathematical Foundations II	Lesson	The Remainder Theorem	19/15 XP
Mathematical Foundations II	Review	Combining Graph Transformations of Tangent and Cotangent	6/4 XP
Mathematical Foundations II	Quiz	Quiz 14	15/15 XP
Mathematical Foundations II	Multistep	Stock and Commodity Prices With Piecewise-Continuous Functions	11/11 XP
Mathematical Foundations II	Lesson	Selecting Procedures for Calculating Derivatives	20/16 XP

Mathematical Foundations II	Lesson	Finding Zeros and Extrema of Transformed Sine and Cosine Functions	14/11 XP
Mathematical Foundations II	Lesson	Trigonometric Functions of Complementary Angles	9/7 XP

Fri, Sep 26th, 2025 (186 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Combining Graph Transformations of Tangent and Cotangent	8/9 XP
Mathematical Foundations II	Lesson	Describing Properties of the Cosecant Function	9/7 XP
Mathematical Foundations II	Lesson	Describing Properties of the Cotangent Function	9/7 XP
Mathematical Foundations II	Lesson	Continuity Over an Interval	9/7 XP
Mathematical Foundations II	Lesson	Describing Properties of the Secant Function	9/7 XP
Mathematical Foundations II	Lesson	Left and Right Continuity	9/7 XP
Mathematical Foundations II	Lesson	Defining Continuity at a Point	9/7 XP
Mathematical Foundations II	Multistep	Graphs of Trigonometric Functions, Indefinite Integrals, and Tangent Lines	9/12 XP
Mathematical Foundations II	Quiz	Quiz 13	18/15 XP
Mathematical Foundations II	Lesson	Describing Properties of the Tangent Function	9/7 XP
Mathematical Foundations II	Lesson	Limits of Piecewise Functions	10/10 XP
Mathematical Foundations II	Lesson	Properties of Transformed Sine and Cosine Functions	7/7 XP
Mathematical Foundations II	Lesson	The Chain Rule With Trigonometric Functions	16/13 XP
Mathematical Foundations II	Lesson	Graphing Reflections of Trigonometric Functions	9/7 XP
Mathematical Foundations II	Lesson	Limits of Reciprocal Trigonometric Functions	10/8 XP
Mathematical Foundations II	Lesson	Describing Properties of the Cosine Function	9/7 XP
Mathematical Foundations II	Lesson	Limits of Trigonometric Functions	8/8 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations of Secant and Cosecant	19/15 XP

Thu, Sep 25th, 2025 (144 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Describing Properties of the Sine Function	9/7 XP
Mathematical Foundations II	Lesson	Graph Transformations of Tangent and Cotangent	7/7 XP
Mathematical Foundations II	Multistep	Applying the Rules of Differentiation and Integration	11/15 XP
Mathematical Foundations II	Review	Calculating Limits of Rational Functions by Factoring	6/4 XP
Mathematical Foundations II	Quiz	Quiz 12	15/15 XP
Mathematical Foundations II	Lesson	Integrating Trigonometric Functions	9/7 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations of Sine and Cosine	11/11 XP
Mathematical Foundations II	Lesson	Vertical Stretches of Trigonometric Functions	7/7 XP
Mathematical Foundations II	Lesson	Differentiating Reciprocal Trigonometric Functions	23/18 XP
Mathematical Foundations II	Lesson	Horizontal Translations of Trigonometric Functions	7/7 XP
Mathematical Foundations II	Lesson	Graphing Secant and Cosecant	7/7 XP
Mathematical Foundations II	Lesson	Calculating Derivatives From Graphs	18/14 XP

Mathematical Foundations II	Lesson	Horizontal Stretches of Trigonometric Functions	14/11 XP
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Wed, Sep 24th, 2025 (126 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Vertical Translations of Trigonometric Functions	9/7 XP
Mathematical Foundations II	Lesson	Graphing Sine and Cosine	9/7 XP
Mathematical Foundations II	Lesson	Graphing Tangent and Cotangent	9/7 XP
Mathematical Foundations II	Review	The Law of Total Probability	7/5 XP
Mathematical Foundations II	Review	The Law of Cosines	7/5 XP
Mathematical Foundations II	Quiz	Quiz 11	15/15 XP
Mathematical Foundations II	Lesson	Calculating Derivatives From Data and Tables	16/13 XP
Mathematical Foundations II	Lesson	The Law of Sines	21/17 XP
Mathematical Foundations II	Lesson	The Quotient Rule for Differentiation	12/12 XP
Mathematical Foundations II	Lesson	The Product Rule for Differentiation	14/11 XP
Mathematical Foundations II	Lesson	Further Extensions of the Special Trigonometric Ratios	7/7 XP

Tue, Sep 23rd, 2025 (127 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Evaluating Trigonometric Expressions	9/7 XP
Mathematical Foundations II	Lesson	Extending the Trigonometric Ratios to Negative Angles	9/7 XP
Mathematical Foundations II	Review	Further Properties of Infinite Series	6/4 XP
Mathematical Foundations II	Lesson	Trigonometric Ratios of Quadrantal Angles Outside the Standard Range	7/7 XP
Mathematical Foundations II	Lesson	Calculating the Magnitude of Cartesian Vectors in 2D	9/7 XP
Mathematical Foundations II	Lesson	Addition and Scalar Multiplication of Cartesian Vectors in 2D	9/7 XP
Mathematical Foundations II	Lesson	Two-Dimensional Vectors Expressed in Component Form	9/7 XP
Mathematical Foundations II	Review	Extending the Pythagorean Identity to All Quadrants	4/4 XP
Mathematical Foundations II	Lesson	Describing the Position Vector of a Point Using Known Vectors	16/13 XP
Mathematical Foundations II	Review	Calculating the Equation of a Normal Line Using Differentiation	7/5 XP
Mathematical Foundations II	Quiz	Quiz 10	15/15 XP
Mathematical Foundations II	Lesson	Factoring Quartic Polynomials Using the Factor Theorem	17/17 XP
Mathematical Foundations II	Lesson	Linear Combinations of Vectors and Their Properties	10/8 XP

Mon, Sep 22nd, 2025 (151 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Unit Vectors	10/8 XP
Mathematical Foundations II	Lesson	Parallel Vectors	9/7 XP
Mathematical Foundations II	Lesson	Second and Higher Order Derivatives	13/10 XP
Mathematical Foundations II	Lesson	Differentiating Trigonometric Functions	9/7 XP
Mathematical Foundations II	Lesson	The Magnitude of a Vector	13/13 XP

Mathematical Foundations II	Lesson	Finding Trigonometric Ratios of Special Angles Using the Unit Circle	8/9 XP
Mathematical Foundations II	Lesson	Finding Trigonometric Ratios of Quadrantal Angles	7/7 XP
Mathematical Foundations II	Lesson	Extending the Trigonometric Ratios to Large Angles	9/7 XP
Mathematical Foundations II	Lesson	Extending the Pythagorean Identity to All Quadrants	18/14 XP
Mathematical Foundations II	Multistep	Radical Functions and Polynomials in Geometrical Settings	13/10 XP
Mathematical Foundations II	Quiz	Quiz 9	18/15 XP
Mathematical Foundations II	Lesson	The Law of Cosines	9/9 XP
Mathematical Foundations II	Lesson	Systems of Linear Equations With Decimal Coefficients	15/12 XP

Sun, Sep 21st, 2025 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Review	Finding Points on Transformed Curves	6/4 XP
Mathematical Foundations II	Review	Vertical Reflections of Exponential Functions	6/4 XP
Mathematical Foundations II	Review	Domain and Range of Transformed Reciprocal Functions	6/4 XP
Mathematical Foundations II	Lesson	Systems of Linear Equations With Fractional Coefficients	14/16 XP
Mathematical Foundations II	Lesson	Extending the Trigonometric Ratios Using Angles in Radians	11/9 XP
Mathematical Foundations II	Review	Factoring Biquadratic Expressions	6/4 XP
Mathematical Foundations II	Review	Combining Reflections With Other Graph Transformations	2/4 XP
Mathematical Foundations II	Review	Expressing Rational Functions as Sums of Partial Fractions	9/7 XP

Thu, Sep 18th, 2025 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Integrating Exponential Functions	9/7 XP
Mathematical Foundations II	Multistep	Exploring Function Arithmetic Using Graphs	9/7 XP
Mathematical Foundations II	Review	Horizontal Asymptotes of Rational Functions	4/4 XP
Mathematical Foundations II	Review	Finding Equations of Parallel Lines	6/4 XP
Mathematical Foundations II	Lesson	Integrating the Reciprocal Function	13/10 XP

Wed, Sep 17th, 2025 (42 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Quiz	Quiz 8	18/15 XP
Mathematical Foundations II	Lesson	The Sum Rule for Indefinite Integrals	16/13 XP
Mathematical Foundations II	Review	Solving Quadratic Equations With Leading Coefficients by Completing the Square	8/6 XP

Sun, Sep 14th, 2025 (77 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Solving Compound Inequalities	10/8 XP
Mathematical Foundations II	Lesson	Domain and Range of Transformed Reciprocal Functions	5/7 XP

Mathematical Foundations II	Lesson	Limits of Reciprocal Functions	9/7 XP
Mathematical Foundations II	Lesson	Graphing General Polynomials	9/7 XP
Mathematical Foundations II	Lesson	Limits at Infinity of Polynomials	7/7 XP
Mathematical Foundations II	Multistep	Radical Functions and Polynomials in Geometrical Settings	10/10 XP
Mathematical Foundations II	Lesson	Limits of Radical Functions	9/7 XP
Mathematical Foundations II	Lesson	End Behavior of Polynomials	9/7 XP
Mathematical Foundations II	Lesson	Horizontal Asymptotes of Rational Functions	9/7 XP

Sat, Sep 13th, 2025 (102 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	The Range of a Transformed Radical Function	9/7 XP
Mathematical Foundations II	Lesson	Graphing Cubic Curves Containing One Distinct Real Root	15/12 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations of Reciprocal Functions	10/8 XP
Mathematical Foundations II	Lesson	Solving Exponential Equations With Different Bases Using Logarithms	16/16 XP
Mathematical Foundations II	Quiz	Quiz 7	18/15 XP
Mathematical Foundations II	Review	Even and Odd Functions	6/4 XP
Mathematical Foundations II	Lesson	Graph Transformations of Reciprocal Functions	9/7 XP
Mathematical Foundations II	Lesson	Graphing Cubic Curves Containing a Double Root	19/15 XP

Fri, Sep 12th, 2025 (123 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Graphing Cubic Curves Containing Three Distinct Real Roots	13/13 XP
Mathematical Foundations II	Lesson	Factorials in Variable Expressions	9/7 XP
Mathematical Foundations II	Lesson	The Domain of a Transformed Radical Function	7/7 XP
Mathematical Foundations II	Review	The Argument of a Complex Number	6/4 XP
Mathematical Foundations II	Lesson	Graphing the Cube Root Function	9/7 XP
Mathematical Foundations II	Lesson	The Chain Rule With Logarithmic Functions	9/7 XP
Mathematical Foundations II	Lesson	Graphing Elementary Cubic Functions	7/7 XP
Mathematical Foundations II	Lesson	Differentiating Logarithmic Functions	11/9 XP
Mathematical Foundations II	Supplemental		6/ XP
Mathematical Foundations II	Lesson	The Chain Rule With Exponential Functions	15/12 XP
Mathematical Foundations II	Quiz	Quiz 6	18/15 XP
Mathematical Foundations II	Lesson	Properties of Transformed Square Root Functions	13/13 XP

Thu, Sep 11th, 2025 (102 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Review	Finding Equations of Perpendicular Lines	4/4 XP
Mathematical Foundations II	Review	Roots of Rational Functions	6/4 XP
Mathematical Foundations II	Lesson	Differentiating Exponential Functions	9/7 XP

Mathematical Foundations II	Lesson	The Chain Rule for Differentiation	16/13 XP
Mathematical Foundations II	Lesson	Calculating the Equation of a Normal Line Using Differentiation	18/14 XP
Mathematical Foundations II	Lesson	Calculating the Equation of a Tangent Line Using Differentiation	8/8 XP
Mathematical Foundations II	Lesson	The Constant Multiple Rule for Indefinite Integrals	6/7 XP
Mathematical Foundations II	Lesson	Properties of Transformed Exponential Functions	13/10 XP
Mathematical Foundations II	Lesson	The Antiderivative	9/7 XP
Mathematical Foundations II	Lesson	Calculating the Slope of a Tangent Line Using Differentiation	13/10 XP

Wed, Sep 10th, 2025 (127 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Multistep	Exploring Function Arithmetic Using Graphs	7/7 XP
Mathematical Foundations II	Quiz	Quiz 5	18/15 XP
Mathematical Foundations II	Lesson	Interpreting the Meaning of the Derivative in Context	16/13 XP
Mathematical Foundations II	Lesson	The Sum and Constant Multiple Rules for Differentiation	14/11 XP
Mathematical Foundations II	Lesson	The Power Rule for Differentiation	9/7 XP
Mathematical Foundations II	Lesson	Defining the Derivative Using Derivative Notation	9/7 XP
Mathematical Foundations II	Lesson	The Rational Roots Theorem	16/16 XP
Mathematical Foundations II	Lesson	Multiplicities of the Roots of Polynomials	15/12 XP
Mathematical Foundations II	Lesson	Solving Exponential Equations Using the Zero-Product Property	9/7 XP
Mathematical Foundations II	Lesson	Properties of Transformed Square Root Functions	1/13 XP
Mathematical Foundations II	Lesson	The Instantaneous Rate of Change of a Function at a Point	13/10 XP

Tue, Sep 9th, 2025 (131 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Limits of Exponential Functions	9/7 XP
Mathematical Foundations II	Multistep	Exploring Function Arithmetic Using Graphs	3/7 XP
Mathematical Foundations II	Review	Using the Pythagorean Identity in the First Quadrant	6/4 XP
Mathematical Foundations II	Quiz	Quiz 4	15/15 XP
Mathematical Foundations II	Lesson	Graphing Reciprocal Functions	9/7 XP
Mathematical Foundations II	Lesson	Finding Points on Transformed Curves	10/10 XP
Mathematical Foundations II	Lesson	Vertical Reflections of Exponential Functions	10/11 XP
Mathematical Foundations II	Lesson	Calculating Limits of Rational Functions by Factoring	14/11 XP
Mathematical Foundations II	Lesson	Graph Transformations of Square Root Functions	7/7 XP
Mathematical Foundations II	Lesson	Factoring Cubic Polynomials Using the Factor Theorem	17/19 XP
Mathematical Foundations II	Lesson	Rotational Symmetry	9/7 XP
Mathematical Foundations II	Lesson	Combining Reflections With Other Graph Transformations	16/13 XP
Mathematical Foundations II	Review	Vertical Translations of Exponential Growth Functions	6/4 XP

Mon, Sep 8th, 2025 (159 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Multistep	Limits and Continuity of Functions From Graphs	9/7 XP
Mathematical Foundations II	Lesson	Graphing the Square Root Function	9/7 XP
Mathematical Foundations II	Lesson	The Power and Root Rules for Limits	14/11 XP
Mathematical Foundations II	Lesson	Limits of Logarithmic Functions	9/7 XP
Mathematical Foundations II	Review	Solving Exponential Equations With Different Bases	6/4 XP
Mathematical Foundations II	Review	The Argument of a Complex Number	6/4 XP
Mathematical Foundations II	Quiz	Quiz 3	12/15 XP
Mathematical Foundations II	Lesson	The Area of a General Triangle	15/12 XP
Mathematical Foundations II	Lesson	The Product and Quotient Rules for Limits	7/8 XP
Mathematical Foundations II	Lesson	Solving Polynomial Equations Using the GCF	16/13 XP
Mathematical Foundations II	Lesson	The Sum Rule for Limits	9/7 XP
Mathematical Foundations II	Multistep	Quadratic Profit Functions	13/10 XP
Mathematical Foundations II	Lesson	Modeling Downwards Vertical Motion	13/13 XP
Mathematical Foundations II	Lesson	Calculating Areas of Right Triangles Using Trigonometry	21/17 XP

Sun, Sep 7th, 2025 (6 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Review	Graphing Strict Two-Variable Linear Inequalities	6/4 XP

Sat, Sep 6th, 2025 (6 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Review	Equations of Hyperbolas Centered at the Origin	6/4 XP

Fri, Sep 5th, 2025 (114 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Limits at Infinity from Graphs	9/7 XP
Mathematical Foundations II	Lesson	Surface Areas of Spheres	6/7 XP
Mathematical Foundations II	Lesson	Properties of Transformed Logarithmic Functions	7/7 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations of Logarithmic Functions	12/13 XP
Mathematical Foundations II	Lesson	Solving Logarithmic Equations With Logarithms on Both Sides	10/8 XP
Mathematical Foundations II	Review	Solving Quadratic Equations With Leading Coefficients by Completing the Square	6/6 XP
Mathematical Foundations II	Quiz	Quiz 2	15/15 XP
Mathematical Foundations II	Multistep	Exploring Function Arithmetic Using Graphs	7/7 XP
Mathematical Foundations II	Lesson	Solving Exponential Equations With Different Bases	9/7 XP
Mathematical Foundations II	Lesson	Solving Logarithmic Equations Containing the Natural Logarithm	9/7 XP
Mathematical Foundations II	Lesson	Modeling Downwards Vertical Motion	3/13 XP
Mathematical Foundations II	Review	Vertical Asymptotes of Rational Functions	6/4 XP

Mathematical Foundations II	Lesson	Volumes of Spheres	5/7 XP
Mathematical Foundations II	Lesson	Solving Equations Containing the Exponential Function	10/8 XP

Thu, Sep 4th, 2025 (203 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Review	Expected Values of Discrete Random Variables	6/4 XP
Mathematical Foundations II	Lesson	Solving Systems of Nonlinear Equations	16/18 XP
Mathematical Foundations II	Lesson	Combining the Laws of Logarithms	11/9 XP
Mathematical Foundations II	Lesson	Solving Exponential Equations Using Logarithms	13/10 XP
Mathematical Foundations II	Quiz	Quiz 1	16/13 XP
Mathematical Foundations II	Multistep	Graphs of Linear Equations, Parallel and Perpendicular Lines	11/9 XP
Mathematical Foundations II	Review	Expressing Rational Functions as Sums of Partial Fractions	9/7 XP
Mathematical Foundations II	Review	Roots of Rational Functions	6/4 XP
Mathematical Foundations II	Quiz	Quiz 1	5/11 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations: Three or More Operations	16/13 XP
Mathematical Foundations II	Lesson	The Power Rule for Logarithms	9/7 XP
Mathematical Foundations II	Lesson	Combining Graph Transformations: Two Operations	15/12 XP
Mathematical Foundations II	Lesson	The Quotient Rule for Logarithms	9/7 XP
Mathematical Foundations II	Lesson	The Product Rule for Logarithms	7/7 XP
Mathematical Foundations II	Review	Volumes of Rectangular Solids	6/4 XP
Mathematical Foundations II	Lesson	Dividing Rational Expressions	8/8 XP
Mathematical Foundations II	Lesson	The Change of Base Formula for Logarithms	9/9 XP
Mathematical Foundations II	Lesson	Solving Logarithmic Equations	8/8 XP
Mathematical Foundations II	Multistep	Quadratic Profit Functions	7/10 XP
Mathematical Foundations II	Lesson	Simplifying Logarithmic Expressions	7/7 XP
Mathematical Foundations II	Lesson	Horizontal Stretches of Functions	9/7 XP

Wed, Sep 3rd, 2025 (157 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	Horizontal Reflections of Functions	9/7 XP
Mathematical Foundations II	Lesson	The Average Rate of Change of a Function over a Varying Interval	16/16 XP
Mathematical Foundations II	Lesson	Graphing Logarithmic Functions	9/7 XP
Mathematical Foundations II	Lesson	Using the Pythagorean Identity in the First Quadrant	12/13 XP
Mathematical Foundations II	Lesson	Problem Solving Using Vector Diagrams	10/8 XP
Mathematical Foundations II	Lesson	Solving Quadratic Equations With Complex Roots	14/11 XP
Mathematical Foundations II	Review	Writing the Equation of a Parabola in Vertex Form	4/4 XP
Mathematical Foundations II	Lesson	The Natural Logarithm	10/8 XP
Mathematical Foundations II	Multistep	Exploring Function Arithmetic Using Graphs	4/7 XP
Mathematical Foundations II	Lesson	The Argument of a Complex Number	12/12 XP
Mathematical Foundations II	Lesson	The Magnitude of a Complex Number	9/7 XP

Mathematical Foundations II	Lesson	Multiplying Complex Numbers	9/7 XP
Mathematical Foundations II	Lesson	The Complex Plane	9/7 XP
Mathematical Foundations II	Lesson	Adding and Subtracting Complex Numbers	9/7 XP
Mathematical Foundations II	Lesson	Vertical Asymptotes of Rational Functions	12/12 XP
Mathematical Foundations II	Lesson	Complex Numbers	9/7 XP

Tue, Sep 2nd, 2025 (224 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations II	Lesson	The Common Logarithm	9/7 XP
Mathematical Foundations II	Lesson	Factoring Higher-Order Polynomials as a Difference of Squares	7/9 XP
Mathematical Foundations II	Lesson	Quadratic Equations with Purely Imaginary Solutions	10/8 XP
Mathematical Foundations II	Lesson	Determining Continuity from Graphs	9/7 XP
Mathematical Foundations II	Lesson	Evaluating Logarithms	7/7 XP
Mathematical Foundations II	Multistep	Graphs of Linear Equations, Parallel and Perpendicular Lines	9/9 XP
Mathematical Foundations II	Review	Finding Surface Areas Using Nets	4/4 XP
Mathematical Foundations II	Lesson	Converting From Logarithmic to Exponential Form	9/7 XP
Mathematical Foundations II	Lesson	Infinite Limits from Graphs	7/7 XP
Mathematical Foundations II	Review	Solving Quadratic Equations With Leading Coefficients by Completing the Square	6/6 XP
Mathematical Foundations II	Review	Adding Rational Expressions With No Common Factors in the Denominator	6/4 XP
Mathematical Foundations II	Review	Solving Rational Equations Using the Flip Method	4/4 XP
Mathematical Foundations II	Lesson	The Cyclic Property of the Imaginary Unit	7/7 XP
Mathematical Foundations II	Lesson	Converting From Exponential to Logarithmic Form	9/7 XP
Mathematical Foundations II	Lesson	Vertical Translations of Exponential Decay Functions	9/7 XP
Mathematical Foundations II	Lesson	Horizontal Translations of Functions	9/7 XP
Mathematical Foundations II	Lesson	The Factor Theorem	10/8 XP
Mathematical Foundations II	Lesson	Factoring Sums and Differences of Cubes	14/11 XP
Mathematical Foundations II	Lesson	Roots of Rational Functions	13/10 XP
Mathematical Foundations II	Lesson	Coterminal Angles	9/9 XP
Mathematical Foundations II	Lesson	Solving Radical Equations	13/10 XP
Mathematical Foundations II	Lesson	Computing Probabilities Using Combinatorics	24/19 XP
Mathematical Foundations II	Placement		20/ XP

Mon, Sep 1st, 2025 (122 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Introduction to Polar Coordinates	0/10 XP
Mathematical Foundations III	Lesson	Scalar Multiplication of Matrices	6/7 XP
Mathematical Foundations III	Lesson	Expressing Rational Functions as Sums of Partial Fractions	19/15 XP
Mathematical Foundations III	Lesson	Index Notation for Matrices	9/7 XP
Mathematical Foundations III	Lesson	The Determinant of a 2x2 Matrix	9/7 XP

Mathematical Foundations III	Lesson	Adding and Subtracting Matrices	9/7 XP
Mathematical Foundations III	Placement		70/ XP

Notes:

- 1. Every learning task is assigned an XP (eXperience Point) value to signify the time required to successfully complete that task.
- 2. 1 XP is equivalent to 1 minute of focused effort (e.g. a 10 XP lesson should take roughly 10 minutes to complete)
- 3. The amount of XP awarded is based on the students' performance on that task, with additional "bonus" XP awarded if every question is answered correctly