



Activity Log

Hecker, Frank

Student ID: 12224

Start Date: 2/6/2025

End Date: 5/19/2025

Mon, May 19th, 2025 (80 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating Related Rates Using the Pythagorean Theorem	19/15 XP
Mathematical Foundations III	Review	Recognizing Standard Maclaurin Series	6/4 XP
Mathematical Foundations III	Lesson	Calculating Related Rates With Circles and Spheres	16/16 XP
Mathematical Foundations III	Review	The Shortest Distance Between a Point and a Line	7/5 XP
Mathematical Foundations III	Review	The Angle Between Two Vectors	8/6 XP
Mathematical Foundations III	Review	The Linear Correlation Coefficient	0/4 XP
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	4/8 XP
Mathematical Foundations III	Lesson	Optimizing Distances to Curves	20/16 XP

Sun, May 18th, 2025 (58 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	De Moivre's Theorem	6/4 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Secant and Cosecant	6/4 XP
Mathematical Foundations III	Review	Integrating Functions by Completing the Square	7/5 XP
Mathematical Foundations III	Lesson	Related Rates With Implicit Functions	19/15 XP
Mathematical Foundations III	Review	Representing Functions as Power Series	7/5 XP
Mathematical Foundations III	Quiz	Quiz 39	13/13 XP

Sat, May 17th, 2025 (101 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Determining Characteristics of Moving Objects Using Integration	8/6 XP
Mathematical Foundations III	Review	Representing Functions as Power Series	7/5 XP
Mathematical Foundations III	Review	The Candidates Test	7/7 XP
Mathematical Foundations III	Quiz	Quiz 39	6/15 XP
Mathematical Foundations III	Multistep	Area and Arc Length of Circles in Cartesian and Polar Coordinates	11/17 XP
Mathematical Foundations III	Review	The Arc Length of a Planar Curve	8/6 XP
Mathematical Foundations III	Review	Properties of Roots of Unity	6/4 XP
Mathematical Foundations III	Review	Taylor Series	8/6 XP
Mathematical Foundations III	Lesson	The Arc Length of a Polar Curve	12/12 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Exponential Functions and Polynomials	4/4 XP

Mathematical Foundations III	Review	The Arc Length of a Parametric Curve	5/5 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Logarithmic Functions	5/5 XP
Mathematical Foundations III	Lesson	Recognizing Standard Maclaurin Series	10/8 XP
Mathematical Foundations III	Review	Solving Polynomial Inequalities Using a Graphical Method	4/4 XP

Fri, May 16th, 2025 (10 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Extending the Pythagorean Identity to All Quadrants	6/4 XP
Mathematical Foundations III	Review	Vertical Asymptotes of Rational Functions	4/4 XP

Thu, May 15th, 2025 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Finding Displacement Vectors in Two Dimensions Using Integration	24/19 XP
Mathematical Foundations III	Review	Representing Functions as Power Series	5/5 XP
Mathematical Foundations III	Multistep	Definite Integrals of Functions From Graphs	13/13 XP
Mathematical Foundations III	Quiz	Quiz 38	18/15 XP

Wed, May 14th, 2025 (14 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Finding Velocity Vectors in Two Dimensions Using Integration	7/5 XP
Mathematical Foundations III	Review	Taylor Series	7/7 XP

Tue, May 13th, 2025 (28 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Further Differentiation of Curves Given in Polar Form	16/13 XP
Mathematical Foundations III	Review	Qualitative Analysis of Differential Equations	6/4 XP
Mathematical Foundations III	Review	Limits of Reciprocal Trigonometric Functions	6/4 XP

Mon, May 12th, 2025 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Improper Integrals Over the Real Line	5/5 XP
Mathematical Foundations III	Lesson	Solving Quartic Equations With Complex Roots	16/13 XP

Sun, May 11th, 2025 (35 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Representing Functions as Power Series	25/20 XP

Mathematical Foundations III	Multistep	L'Hopital's Rule, Euler's Method, and Solving Initial Value Problems Using Separation of Variables	10/10 XP
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Sat, May 10th, 2025 (85 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Finding Velocity Vectors in Two Dimensions Using Integration	15/15 XP
Mathematical Foundations III	Review	The Average Value of a Function	4/4 XP
Mathematical Foundations III	Quiz	Quiz 37	13/13 XP
Mathematical Foundations III	Review	Calculating Slopes of Circles, Ellipses, and Parabolas	6/4 XP
Mathematical Foundations III	Review	Volumes of Parallelepipeds	7/5 XP
Mathematical Foundations III	Review	Approximating Values Using the Binomial Theorem	7/5 XP
Mathematical Foundations III	Quiz	Quiz 37	9/15 XP
Mathematical Foundations III	Review	Third-Degree Taylor Polynomials	6/4 XP
Mathematical Foundations III	Lesson	Taylor Series	18/14 XP

Fri, May 9th, 2025 (29 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Combining Linear Transformations Using 2x2 Matrices	7/5 XP
Mathematical Foundations III	Review	Improper Integrals of the Second Kind	6/4 XP
Mathematical Foundations III	Lesson	Euler's Method: Calculating Multiple Steps	11/11 XP
Mathematical Foundations III	Review	Maclaurin Series	5/5 XP

Thu, May 8th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Multistep	Continuity, Derivatives, and Integrals	19/16 XP
Mathematical Foundations III	Review	Properties of the Cross Product	6/4 XP
Mathematical Foundations III	Review	Higher-Degree Taylor Polynomials	6/4 XP
Mathematical Foundations III	Lesson	Solving Cubic Equations With Complex Roots	14/11 XP
Mathematical Foundations III	Lesson	Determining Characteristics of Moving Objects Using Integration	17/17 XP

Wed, May 7th, 2025 (59 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating Slopes of Circles, Ellipses, and Parabolas	13/10 XP
Mathematical Foundations III	Lesson	Maclaurin Series	14/11 XP
Mathematical Foundations III	Review	Shear and Stretch as Linear Transformations	6/4 XP
Mathematical Foundations III	Review	Integrating Vector-Valued Functions	6/4 XP
Mathematical Foundations III	Quiz	Quiz 36	11/15 XP
Mathematical Foundations III	Lesson	Calculating the Vertex of a Parabola by Completing the Square	9/7 XP

Tue, May 6th, 2025 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Multistep	The Chain Rule and Related Rates Involving the Motion of a Particle	22/18 XP
Mathematical Foundations III	Review	Calculating Tangent and Normal Lines with Parametric Equations	6/4 XP
Mathematical Foundations III	Lesson	Parametric Equations of Vertical Hyperbolas	11/9 XP
Mathematical Foundations III	Lesson	Evaluating Definite Integrals Using Symmetry	9/7 XP

Mon, May 5th, 2025 (76 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Constructing Functions Using Transformations	4/4 XP
Mathematical Foundations III	Lesson	Higher-Degree Taylor Polynomials	9/7 XP
Mathematical Foundations III	Review	Factoring Sums and Differences of Cubes	6/4 XP
Mathematical Foundations III	Lesson	Limits Involving the Exponential Function	9/7 XP
Mathematical Foundations III	Review	Finding Areas Using the Cross Product	8/6 XP
Mathematical Foundations III	Review	Domain and Range of Transformed Reciprocal Functions	6/4 XP
Mathematical Foundations III	Lesson	Combining Linear Transformations Using 2x2 Matrices	21/17 XP
Mathematical Foundations III	Review	Third-Degree Taylor Polynomials	4/4 XP
Mathematical Foundations III	Review	Integrating Rational Functions with Repeated Factors	7/5 XP
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	2/8 XP

Sun, May 4th, 2025 (81 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Integrating Rational Functions with Irreducible Quadratic Factors	9/7 XP
Mathematical Foundations III	Quiz	Quiz 35	14/14 XP
Mathematical Foundations III	Lesson	The Intermediate Value Theorem	14/11 XP
Mathematical Foundations III	Review	Integration by Parts in Cyclic Cases	8/6 XP
Mathematical Foundations III	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	4/4 XP
Mathematical Foundations III	Review	Properties of Transformed Secant and Cosecant Functions	6/4 XP
Mathematical Foundations III	Lesson	Shear and Stretch as Linear Transformations	9/7 XP
Mathematical Foundations III	Lesson	Finding Areas Using the Cross Product	17/17 XP

Sat, May 3rd, 2025 (93 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Optimizing Distances	21/17 XP
Mathematical Foundations III	Review	The Second Derivative Test	5/5 XP
Mathematical Foundations III	Quiz	Quiz 34	14/14 XP
Mathematical Foundations III	Multistep	Continuity, Derivatives, and Integrals	16/16 XP
Mathematical Foundations III	Review	Using Integration by Parts to Calculate Integrals With Logarithms	8/6 XP
Mathematical Foundations III	Review	Sums of Infinite Geometric Series Given in Sigma Notation	6/4 XP

Mathematical Foundations III	Review	Parametric Equations of Horizontal Hyperbolas	6/4 XP
Mathematical Foundations III	Quiz	Quiz 34	8/14 XP
Mathematical Foundations III	Review	The Candidates Test	9/7 XP

Fri, May 2nd, 2025 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Rotational Symmetry	6/4 XP
Mathematical Foundations III	Lesson	Volumes of Parallelepipeds	18/14 XP
Mathematical Foundations III	Lesson	Finding Intersections of Parametric Curves and Lines	10/8 XP
Mathematical Foundations III	Review	Qualitative Analysis of Differential Equations	6/4 XP

Thu, May 1st, 2025 (67 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Area of a General Triangle	6/4 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Geometric Sequences	7/5 XP
Mathematical Foundations III	Lesson	Solving Optimization Problems Using Derivatives	14/11 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	16/13 XP
Mathematical Foundations III	Lesson	Integration by Parts in Cyclic Cases	24/19 XP

Wed, Apr 30th, 2025 (75 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 33	17/14 XP
Mathematical Foundations III	Review	Finding the Area of a Polar Region	7/5 XP
Mathematical Foundations III	Review	Calculating the Number of Terms in an Arithmetic Series	7/5 XP
Mathematical Foundations III	Review	Euler's Method: Calculating One Step	6/4 XP
Mathematical Foundations III	Quiz	Quiz 33	6/15 XP
Mathematical Foundations III	Review	Finding the Area of a Polar Region	7/5 XP
Mathematical Foundations III	Review	Unit Vectors	4/4 XP
Mathematical Foundations III	Lesson	The Average Value of a Function	21/17 XP

Tue, Apr 29th, 2025 (81 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Differentiating Curves Given in Polar Form	6/4 XP
Mathematical Foundations III	Multistep	The Rules of Differentiation, Integration Using Partial Fractions, and Improper Integrals	19/16 XP
Mathematical Foundations III	Review	Rotations as Linear Transformations	7/5 XP
Mathematical Foundations III	Lesson	Approximating Values Using the Binomial Theorem	24/19 XP
Mathematical Foundations III	Lesson	Applying the Integration By Parts Twice	25/20 XP

Mon, Apr 28th, 2025 (63 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Third-Degree Taylor Polynomials	6/4 XP
Mathematical Foundations III	Quiz	Quiz 32	14/14 XP
Mathematical Foundations III	Review	Third-Degree Taylor Polynomials	6/4 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Geometric Sequences	5/5 XP
Mathematical Foundations III	Review	The Arc Length of a Parametric Curve	7/5 XP
Mathematical Foundations III	Review	Improper Integrals of the Second Kind	4/4 XP
Mathematical Foundations III	Quiz	Quiz 32	4/15 XP
Mathematical Foundations III	Multistep	The Chain Rule and Related Rates Involving the Motion of a Particle	17/17 XP

Sun, Apr 27th, 2025 (71 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Arc Length of a Planar Curve	8/6 XP
Mathematical Foundations III	Review	Improper Integrals of the Second Kind	4/4 XP
Mathematical Foundations III	Lesson	Using Integration by Parts to Calculate Integrals With Logarithms	21/17 XP
Mathematical Foundations III	Review	The Second Fundamental Theorem of Calculus	6/4 XP
Mathematical Foundations III	Review	Integrating Rational Functions with Irreducible Quadratic Factors	9/7 XP
Mathematical Foundations III	Review	Introduction to Integration by Parts	8/6 XP
Mathematical Foundations III	Lesson	Integrating Vector-Valued Functions	15/12 XP

Sat, Apr 26th, 2025 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Mean Value Theorem	6/4 XP
Mathematical Foundations III	Lesson	Introduction to Related Rates	15/12 XP
Mathematical Foundations III	Lesson	The Area Bounded by a Curve and the Y-Axis	14/14 XP
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	4/7 XP
Mathematical Foundations III	Quiz	Quiz 31	16/13 XP
Mathematical Foundations III	Review	Improper Integrals Over the Real Line	5/5 XP

Fri, Apr 25th, 2025 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Rotations as Linear Transformations	3/5 XP
Mathematical Foundations III	Quiz	Quiz 31	10/15 XP
Mathematical Foundations III	Review	Finding the Area of a Polar Region	7/5 XP
Mathematical Foundations III	Lesson	Asymptotes of Hyperbolas Centered at a General Point	19/15 XP
Mathematical Foundations III	Review	Finding the Center and Axes of Ellipses by Completing the Square	7/5 XP

Thu, Apr 24th, 2025 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Differentiating an Inverse Function at a Point	7/5 XP
Mathematical Foundations III	Review	Properties of Roots of Unity	6/4 XP
Mathematical Foundations III	Lesson	Sums of Infinite Geometric Series Given in Sigma Notation	8/8 XP

Wed, Apr 23rd, 2025 (63 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Solving Inequalities Involving Geometric Sequences	19/15 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	8/13 XP
Mathematical Foundations III	Lesson	Finding the Area of a Polar Region	20/16 XP
Mathematical Foundations III	Lesson	Calculating Acceleration for Plane Motion Using Differentiation	10/8 XP
Mathematical Foundations III	Review	L'Hopital's Rule	6/4 XP

Tue, Apr 22nd, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 30	15/15 XP
Mathematical Foundations III	Review	Properties of the Cross Product	6/4 XP
Mathematical Foundations III	Review	Calculating the Number of Terms in an Arithmetic Series	7/5 XP
Mathematical Foundations III	Review	L'Hopital's Rule	6/4 XP
Mathematical Foundations III	Quiz	Quiz 30	6/15 XP
Mathematical Foundations III	Lesson	The Scalar Triple Product	14/11 XP

Mon, Apr 21st, 2025 (63 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Qualitative Analysis of Differential Equations	2/4 XP
Mathematical Foundations III	Lesson	Differentiating Curves Given in Polar Form	12/13 XP
Mathematical Foundations III	Review	Finding Intersections of Lines and Reciprocal Functions	8/6 XP
Mathematical Foundations III	Review	Calculating Limits of Radical Functions Using Conjugate Multiplication	5/5 XP
Mathematical Foundations III	Multistep	The Rules of Differentiation, Integration Using Partial Fractions, and Improper Integrals	10/16 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Tangent and Cotangent	6/4 XP
Mathematical Foundations III	Lesson	Estimating Derivatives Using a Central Difference Quotient	9/7 XP
Mathematical Foundations III	Lesson	Third-Degree Taylor Polynomials	11/12 XP

Sun, Apr 20th, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Angle Between Two Vectors	8/6 XP
Mathematical Foundations III	Lesson	Calculating Velocity for Plane Motion Using Differentiation	15/12 XP
Mathematical Foundations III	Review	The Rational Roots Theorem	6/4 XP

Mathematical Foundations III	Review	Introduction to Integration by Parts	6/6 XP
Mathematical Foundations III	Review	Improper Integrals Over the Real Line	7/5 XP
Mathematical Foundations III	Lesson	Calculating the Cross Product Using Determinants	11/9 XP

Sat, Apr 19th, 2025 (103 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Calculating the Equation of a Normal Line Using Differentiation	7/5 XP
Mathematical Foundations III	Review	The Arc Length of a Planar Curve	6/6 XP
Mathematical Foundations III	Review	The Mean Value Theorem	6/4 XP
Mathematical Foundations III	Quiz	Quiz 29	15/15 XP
Mathematical Foundations III	Multistep	Continuity, Derivatives, and Integrals	15/15 XP
Mathematical Foundations III	Lesson	Estimating Derivatives Using a Backward Difference Quotient	9/7 XP
Mathematical Foundations III	Lesson	Estimating Derivatives Using a Forward Difference Quotient	10/8 XP
Mathematical Foundations III	Lesson	Solving Trigonometric Equations Using the Sin-Cos-Tan Identity	9/7 XP
Mathematical Foundations III	Lesson	Properties of the Cross Product	9/7 XP
Mathematical Foundations III	Lesson	Differentiating Vector-Valued Functions	10/10 XP
Mathematical Foundations III	Lesson	Analyzing Second-Degree Taylor Polynomials	7/7 XP

Fri, Apr 18th, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Rotations as Linear Transformations	20/16 XP
Mathematical Foundations III	Review	Introduction to Polar Coordinates	6/4 XP
Mathematical Foundations III	Lesson	De Moivre's Theorem	9/7 XP
Mathematical Foundations III	Lesson	The Fundamental Theorem of Algebra with Quartic Equations	14/11 XP
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	7/7 XP

Thu, Apr 17th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Parametric Equations of Horizontal Hyperbolas	10/8 XP
Mathematical Foundations III	Lesson	Euler's Method: Calculating One Step	14/11 XP
Mathematical Foundations III	Review	Integration Using the Double-Angle Formulas	5/5 XP
Mathematical Foundations III	Review	The Second Fundamental Theorem of Calculus	6/4 XP
Mathematical Foundations III	Quiz	Quiz 28	12/15 XP
Mathematical Foundations III	Lesson	Qualitative Analysis of Differential Equations	15/12 XP

Wed, Apr 16th, 2025 (24 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Euler's Formula	6/4 XP

Mathematical Foundations III	Lesson	Asymptotes of Hyperbolas Centered at the Origin	9/7 XP
Mathematical Foundations III	Lesson	Dilations and Reflections as Linear Transformations	9/7 XP

Tue, Apr 15th, 2025 (68 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Polar Form of a Complex Number	7/5 XP
Mathematical Foundations III	Lesson	Finding the Center and Axes of Ellipses by Completing the Square	13/10 XP
Mathematical Foundations III	Multistep	Maxima and Minima of Functions, Critical Points, Concavity, and Inflection Points	11/9 XP
Mathematical Foundations III	Review	The Cross Product of Two Vectors	4/4 XP
Mathematical Foundations III	Review	Calculating Tangent and Normal Lines with Parametric Equations	6/4 XP
Mathematical Foundations III	Review	Properties of Roots of Unity	4/4 XP
Mathematical Foundations III	Lesson	Intersections of Circles with Lines	23/18 XP

Mon, Apr 14th, 2025 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Translating Between Explicit and Recursive Formulas for Arithmetic Sequences	6/4 XP
Mathematical Foundations III	Review	The Arc Length of a Planar Curve	6/6 XP
Mathematical Foundations III	Lesson	Calculating Tangent and Normal Lines with Parametric Equations	18/18 XP
Mathematical Foundations III	Lesson	Improper Integrals of the Second Kind	11/9 XP

Sun, Apr 13th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Further Convergence of Geometric Sequences	6/4 XP
Mathematical Foundations III	Review	Calculating the Position Function of a Particle Using Integration	7/5 XP
Mathematical Foundations III	Quiz	Quiz 27	11/15 XP
Mathematical Foundations III	Multistep	Integrating Families of Rational Functions Using Partial Fractions	14/12 XP
Mathematical Foundations III	Review	Properties of Transformed Tangent and Cotangent Functions	6/4 XP
Mathematical Foundations III	Lesson	The Sum of the First N Terms of a Geometric Series	10/8 XP

Sat, Apr 12th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Improper Integrals Over the Real Line	7/5 XP
Mathematical Foundations III	Review	Using the First Derivative Test to Classify Local Extrema	8/6 XP
Mathematical Foundations III	Review	Second Derivatives of Parametric Equations	6/4 XP
Mathematical Foundations III	Lesson	Calculating the Number of Terms in an Arithmetic Series	15/15 XP
Mathematical Foundations III	Lesson	Integrating Rational Functions with Irreducible Quadratic Factors	26/21 XP

Fri, Apr 11th, 2025 (59 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integrating Rational Functions with Repeated Factors	16/20 XP
Mathematical Foundations III	Quiz	Quiz 26	16/13 XP
Mathematical Foundations III	Review	The Second Derivative Test	7/5 XP
Mathematical Foundations III	Multistep	Definite Integrals of Functions From Graphs	6/12 XP
Mathematical Foundations III	Review	Differentiating Inverse Functions	7/5 XP
Mathematical Foundations III	Review	Second-Degree Taylor Polynomials	7/5 XP

Thu, Apr 10th, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 26	9/15 XP
Mathematical Foundations III	Lesson	Finding the First Term of an Arithmetic Series	18/14 XP
Mathematical Foundations III	Lesson	The Second Fundamental Theorem of Calculus	18/14 XP
Mathematical Foundations III	Review	The Candidates Test	8/6 XP

Wed, Apr 9th, 2025 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Further Integration of Algebraic Functions Using Substitution	8/6 XP
Mathematical Foundations III	Review	Improper Integrals Over the Real Line	5/5 XP
Mathematical Foundations III	Lesson	Special Limits Involving Sine	9/7 XP

Tue, Apr 8th, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Arc Length of a Parametric Curve	5/5 XP
Mathematical Foundations III	Review	Approximating Functions Using Local Linearity and Linearization	6/4 XP
Mathematical Foundations III	Review	Further Integration of Algebraic Functions Using Substitution	6/6 XP
Mathematical Foundations III	Multistep	The Rules of Differentiation, Integration Using Partial Fractions, and Improper Integrals	10/16 XP
Mathematical Foundations III	Lesson	L'Hopital's Rule	15/15 XP
Mathematical Foundations III	Lesson	Integrating Rational Functions Using Partial Fractions	14/14 XP

Mon, Apr 7th, 2025 (93 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Calculating a Vector Projection	6/4 XP
Mathematical Foundations III	Review	Integration Using the Pythagorean Identities	6/4 XP
Mathematical Foundations III	Quiz	Quiz 25	9/12 XP
Mathematical Foundations III	Review	Improper Integrals Involving Exponential Functions	6/4 XP
Mathematical Foundations III	Review	Permutations	6/4 XP
Mathematical Foundations III	Review	Integrating Trigonometric Functions Using Substitution	4/4 XP

Mathematical Foundations III	Quiz	Quiz 25	8/15 XP
Mathematical Foundations III	Review	The Second Derivative Test	5/5 XP
Mathematical Foundations III	Review	Residuals and Residual Plots	6/4 XP
Mathematical Foundations III	Lesson	Second Derivatives of Parametric Equations	16/13 XP
Mathematical Foundations III	Multistep	Maxima and Minima of Functions, Critical Points, Concavity, and Inflection Points	6/9 XP
Mathematical Foundations III	Lesson	The Candidates Test	15/12 XP

Sun, Apr 6th, 2025 (61 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integrating Functions Using Polynomial Division	19/15 XP
Mathematical Foundations III	Lesson	Further Integration of Algebraic Functions Using Substitution	16/13 XP
Mathematical Foundations III	Lesson	The Mean Value Theorem	16/13 XP
Mathematical Foundations III	Lesson	Solving Equations by Equating Real and Imaginary Parts	10/8 XP

Sat, Apr 5th, 2025 (77 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 24	18/15 XP
Mathematical Foundations III	Review	Properties of Roots of Unity	6/4 XP
Mathematical Foundations III	Review	Solving Initial Value Problems Using Separation of Variables	8/6 XP
Mathematical Foundations III	Review	Integrating Logarithmic Functions Using Substitution	8/6 XP
Mathematical Foundations III	Quiz	Quiz 24	9/15 XP
Mathematical Foundations III	Review	Solving Exponential Equations With Different Bases Using Logarithms	8/6 XP
Mathematical Foundations III	Lesson	Improper Integrals Over the Real Line	20/16 XP

Fri, Apr 4th, 2025 (73 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Solving Inequalities Involving Exponential Functions	6/4 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Logarithmic Functions	8/6 XP
Mathematical Foundations III	Lesson	Second-Degree Taylor Polynomials	11/9 XP
Mathematical Foundations III	Review	Using the First Derivative Test to Classify Local Extrema	7/5 XP
Mathematical Foundations III	Review	The Angle Between Two Vectors	8/6 XP
Mathematical Foundations III	Review	Integrating Functions by Completing the Square	7/5 XP
Mathematical Foundations III	Lesson	Points of Inflection	15/12 XP
Mathematical Foundations III	Lesson	The Second Derivative Test	11/9 XP

Thu, Apr 3rd, 2025 (94 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Improper Integrals Involving Arctangent	6/4 XP

Mathematical Foundations III	Review	The Arc Length of a Planar Curve	8/6 XP
Mathematical Foundations III	Quiz	Quiz 23	9/14 XP
Mathematical Foundations III	Review	Determining Characteristics of Moving Objects Using Differentiation	6/4 XP
Mathematical Foundations III	Review	The Extreme Value Theorem	6/4 XP
Mathematical Foundations III	Review	The Arc Length of a Planar Curve	8/6 XP
Mathematical Foundations III	Review	Introduction to Integration by Parts	8/6 XP
Mathematical Foundations III	Quiz	Quiz 23	3/15 XP
Mathematical Foundations III	Lesson	Relating Concavity to the Second Derivative	13/10 XP
Mathematical Foundations III	Lesson	Approximating Functions Using Local Linearity and Linearization	15/12 XP
Mathematical Foundations III	Lesson	Improper Integrals Involving Exponential Functions	12/12 XP

Wed, Apr 2nd, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Integration Using the Double-Angle Formulas	6/4 XP
Mathematical Foundations III	Lesson	Calculating the Displacement of a Particle Using Integration	15/12 XP
Mathematical Foundations III	Review	The Law of Sines	6/4 XP
Mathematical Foundations III	Review	Integration Using the Pythagorean Identities	4/4 XP
Mathematical Foundations III	Review	Further Extensions of the Special Trigonometric Ratios	6/4 XP
Mathematical Foundations III	Lesson	Using the First Derivative Test to Classify Local Extrema	16/16 XP

Tue, Apr 1st, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Integration Using Basic Trigonometric Identities	7/5 XP
Mathematical Foundations III	Lesson	Solving Initial Value Problems Using Separation of Variables	15/12 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Tangent and Cotangent	6/4 XP
Mathematical Foundations III	Review	Integration Using the Double-Angle Formulas	4/4 XP
Mathematical Foundations III	Review	Integrating Logarithmic Functions Using Substitution	8/6 XP
Mathematical Foundations III	Lesson	Intervals of Concavity	9/7 XP
Mathematical Foundations III	Review	Improper Integrals	7/5 XP

Mon, Mar 31st, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Properties of Roots of Unity	6/4 XP
Mathematical Foundations III	Review	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	7/5 XP
Mathematical Foundations III	Quiz	Quiz 22	12/15 XP
Mathematical Foundations III	Lesson	Solving First-Order ODEs Using Separation of Variables	18/14 XP
Mathematical Foundations III	Lesson	Calculating the Position Function of a Particle Using Integration	13/10 XP

Sun, Mar 30th, 2025 (65 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Arc Length of a Parametric Curve	19/15 XP
Mathematical Foundations III	Lesson	Determining Characteristics of Moving Objects Using Differentiation	14/11 XP
Mathematical Foundations III	Review	Even and Odd Functions	6/4 XP
Mathematical Foundations III	Lesson	Determining Intervals on Which a Function Is Increasing or Decreasing	12/12 XP
Mathematical Foundations III	Lesson	Solving Differential Equations Using Direct Integration	14/11 XP

Sat, Mar 29th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating Velocity Using Integration	13/10 XP
Mathematical Foundations III	Review	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	8/6 XP
Mathematical Foundations III	Review	The Area of a General Triangle	4/4 XP
Mathematical Foundations III	Lesson	The Arc Length of a Planar Curve	19/15 XP
Mathematical Foundations III	Lesson	Introduction to Integration by Parts	18/18 XP

Fri, Mar 28th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 21	18/15 XP
Mathematical Foundations III	Lesson	Properties of Roots of Unity	13/10 XP
Mathematical Foundations III	Lesson	Improper Integrals Involving Arctangent	23/18 XP

Thu, Mar 27th, 2025 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integrating Exponential Functions Using Substitution	15/15 XP
Mathematical Foundations III	Lesson	Solving Inequalities Involving Exponential Functions and Polynomials	15/12 XP
Mathematical Foundations III	Lesson	Parametric Equations of Parabolas Centered at (h,k)	21/17 XP
Mathematical Foundations III	Review	Solving Quadratic Equations With Leading Coefficients by Completing the Square	9/7 XP

Wed, Mar 26th, 2025 (58 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Parametric Equations of Ellipses	9/7 XP
Mathematical Foundations III	Lesson	Solving Polynomial Inequalities Using a Graphical Method	11/9 XP
Mathematical Foundations III	Lesson	Integration Using the Double-Angle Formulas	20/16 XP
Mathematical Foundations III	Lesson	The Area Between Curves Expressed as Functions of X	18/14 XP

Tue, Mar 25th, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
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Mathematical Foundations III	Review	Using Differentiation to Calculate Critical Points	5/5 XP
Mathematical Foundations III	Quiz	Quiz 20	15/15 XP
Mathematical Foundations III	Lesson	Integrating Logarithmic Functions Using Substitution	20/16 XP
Mathematical Foundations III	Lesson	Parametric Equations of Parabolas	13/13 XP

Mon, Mar 24th, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Finding the Area Between a Curve and the X-Axis When They Intersect	16/16 XP
Mathematical Foundations III	Review	Using Differentiation to Calculate Critical Points	7/5 XP
Mathematical Foundations III	Lesson	Integration Using the Pythagorean Identities	20/16 XP
Mathematical Foundations III	Review	Integrating Functions by Completing the Square	5/5 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	8/13 XP

Sun, Mar 23rd, 2025 (61 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Calculating the Equation of a Normal Line Using Differentiation	5/5 XP
Mathematical Foundations III	Lesson	Solving Quadratic Inequalities Using the Graphical Method	12/12 XP
Mathematical Foundations III	Lesson	Integrating Exponential Functions Using Linear Substitution	9/7 XP
Mathematical Foundations III	Lesson	Parametric Equations of Circles	9/7 XP
Mathematical Foundations III	Review	Improper Integrals	7/5 XP
Mathematical Foundations III	Review	The Rational Roots Theorem	6/4 XP
Mathematical Foundations III	Lesson	Definite Integrals of Piecewise Functions	13/10 XP

Sat, Mar 22nd, 2025 (70 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integration Using Basic Trigonometric Identities	14/14 XP
Mathematical Foundations III	Quiz	Quiz 19	18/15 XP
Mathematical Foundations III	Lesson	The Integral as an Accumulation Function	16/13 XP
Mathematical Foundations III	Multistep	Linear Transformations and Their Inverses, and Areas of Transformed Objects	22/18 XP

Fri, Mar 21st, 2025 (73 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integrating Trigonometric Functions Using Substitution	21/17 XP
Mathematical Foundations III	Lesson	Integrating Functions by Completing the Square	17/19 XP
Mathematical Foundations III	Review	Integration by Substitution With Inverse Trigonometric Functions	6/4 XP
Mathematical Foundations III	Review	Calculating the Equation of a Normal Line Using Differentiation	7/5 XP
Mathematical Foundations III	Lesson	Further Solving of Two-Variable Nonlinear Inequalities	9/7 XP

Mathematical Foundations III	Lesson	Cartesian Equations of Parametric Curves	13/10 XP
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Thu, Mar 20th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating the Definite Integral of a Function Given Its Graph	9/7 XP
Mathematical Foundations III	Lesson	Improper Integrals	20/20 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	10/13 XP
Mathematical Foundations III	Lesson	Integration by Substitution With Inverse Trigonometric Functions	15/15 XP

Wed, Mar 19th, 2025 (87 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 18	18/15 XP
Mathematical Foundations III	Lesson	Calculating Definite Integrals Using Substitution	15/12 XP
Mathematical Foundations III	Review	Further Convergence of Geometric Sequences	6/4 XP
Mathematical Foundations III	Lesson	The Area Bounded by a Curve and the X-Axis	9/9 XP
Mathematical Foundations III	Lesson	Convergence of Geometric Series	10/8 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Secant and Cosecant	6/4 XP
Mathematical Foundations III	Review	Solving Rational Inequalities	7/5 XP
Mathematical Foundations III	Review	Limits of Reciprocal Trigonometric Functions	6/4 XP
Mathematical Foundations III	Lesson	Properties of Definite Integrals Involving the Limits of Integration	10/10 XP

Tue, Mar 18th, 2025 (58 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Solving Inequalities Involving Positive and Negative Factors	6/4 XP
Mathematical Foundations III	Multistep	Linear Transformations and Their Inverses, and Areas of Transformed Objects	18/18 XP
Mathematical Foundations III	Quiz	Quiz 17	14/14 XP
Mathematical Foundations III	Lesson	Differentiating an Inverse Function at a Point	20/20 XP

Mon, Mar 17th, 2025 (70 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Verifying Solutions of Differential Equations	6/4 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Positive and Negative Factors	6/4 XP
Mathematical Foundations III	Review	Connecting Differentiability and Continuity	6/4 XP
Mathematical Foundations III	Review	Applying the Fundamental Theorem of Calculus to Exponential and Trigonometric Functions	6/4 XP
Mathematical Foundations III	Review	Differentiating an Inverse Function at a Point	0/5 XP
Mathematical Foundations III	Quiz	Quiz 17	4/15 XP
Mathematical Foundations III	Lesson	Alternate Forms of the Secant-Tangent Identity	13/10 XP
Mathematical Foundations III	Review	Verifying Solutions of Differential Equations	6/4 XP

Mathematical Foundations III	Lesson	Further Convergence of Geometric Sequences	8/8 XP
Mathematical Foundations III	Review	The Arithmetic of Functions	6/4 XP
Mathematical Foundations III	Lesson	Limits of Inverse Trigonometric Functions	9/7 XP

Sun, Mar 16th, 2025 (67 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Solving Rational Inequalities	20/16 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Logarithmic Functions	8/6 XP
Mathematical Foundations III	Review	Describing the Position Vector of a Point Using Known Vectors	4/4 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	10/13 XP
Mathematical Foundations III	Lesson	The Sum and Constant Multiple Rules for Definite Integrals	14/14 XP
Mathematical Foundations III	Lesson	Singular Linear Transformations in the Plane	11/9 XP

Sat, Mar 15th, 2025 (87 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Similarity Transformations	6/4 XP
Mathematical Foundations III	Quiz	Quiz 16	15/15 XP
Mathematical Foundations III	Review	The Roots of Unity	6/4 XP
Mathematical Foundations III	Review	Pascal's Triangle and the Binomial Coefficients	6/4 XP
Mathematical Foundations III	Review	Limits of Sequences	6/4 XP
Mathematical Foundations III	Quiz	Quiz 16	10/15 XP
Mathematical Foundations III	Review	Finding Intersections of Lines and Reciprocal Functions	8/6 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Exponential Functions	6/4 XP
Mathematical Foundations III	Lesson	Solving Inequalities Involving Positive and Negative Factors	11/11 XP
Mathematical Foundations III	Lesson	The Special Case of the Binomial Theorem	13/10 XP

Fri, Mar 14th, 2025 (55 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Multistep	Linear Transformations and Their Inverses, and Areas of Transformed Objects	18/18 XP
Mathematical Foundations III	Review	Unit Vectors	6/4 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Logarithmic Functions	6/6 XP
Mathematical Foundations III	Review	Calculating the Equation of a Tangent Line Using Differentiation	6/4 XP
Mathematical Foundations III	Lesson	Area Scale Factors of Linear Transformations	9/7 XP
Mathematical Foundations III	Lesson	Calculating Displacement for Plane Motion	10/8 XP

Thu, Mar 13th, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Applying the Fundamental Theorem of Calculus to Exponential and Trigonometric Functions	9/7 XP

Mathematical Foundations III	Lesson	Solving Inequalities Involving Logarithmic Functions	15/12 XP
Mathematical Foundations III	Lesson	Expanding a Binomial Using Binomial Coefficients	16/13 XP
Mathematical Foundations III	Lesson	Inverting Linear Transformations	13/10 XP

Wed, Mar 12th, 2025 (91 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Angle Between Two Vectors	8/6 XP
Mathematical Foundations III	Quiz	Quiz 15	15/15 XP
Mathematical Foundations III	Lesson	Solving Inequalities Involving Exponential Functions	19/15 XP
Mathematical Foundations III	Lesson	Modeling With Differential Equations	9/7 XP
Mathematical Foundations III	Review	Calculating Derivatives From Graphs	6/4 XP
Mathematical Foundations III	Lesson	Right-Angle Rotations as Linear Transformations	9/11 XP
Mathematical Foundations III	Lesson	The Extreme Value Theorem	9/7 XP
Mathematical Foundations III	Review	Selecting Procedures for Calculating Derivatives	7/5 XP
Mathematical Foundations III	Lesson	Pascal's Triangle and the Binomial Coefficients	9/7 XP

Tue, Mar 11th, 2025 (64 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Roots of Unity	9/7 XP
Mathematical Foundations III	Review	Using Differentiation to Calculate Critical Points	6/4 XP
Mathematical Foundations III	Review	Calculating Derivatives From Data and Tables	6/4 XP
Mathematical Foundations III	Lesson	Solving Radical Inequalities	11/9 XP
Mathematical Foundations III	Review	Integration Using Inverse Trigonometric Functions	6/4 XP
Mathematical Foundations III	Review	Factoring Sums and Differences of Cubes	6/4 XP
Mathematical Foundations III	Review	Differentiating Inverse Trigonometric Functions	6/4 XP
Mathematical Foundations III	Lesson	Verifying Solutions of Differential Equations	14/11 XP

Mon, Mar 10th, 2025 (85 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Linear Transformations of Objects in the Plane	9/7 XP
Mathematical Foundations III	Review	Integration Using Inverse Trigonometric Functions	2/4 XP
Mathematical Foundations III	Review	Equations of Ellipses Centered at a General Point	6/4 XP
Mathematical Foundations III	Quiz	Quiz 14	13/15 XP
Mathematical Foundations III	Review	Solving Polynomial Inequalities Using the Sign Table Method	7/5 XP
Mathematical Foundations III	Review	Finding Equations of Parallel Lines	6/4 XP
Mathematical Foundations III	Lesson	Inequalities Involving Powers of Binomials	10/10 XP
Mathematical Foundations III	Multistep	Applying the Rules of Differentiation and Integration	5/13 XP
Mathematical Foundations III	Lesson	Introduction to Differential Equations	9/7 XP

Mathematical Foundations III	Lesson	Linear Transformations of Points and Lines in the Plane	18/14 XP
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Sun, Mar 9th, 2025 (86 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Using Differentiation to Calculate Critical Points	15/17 XP
Mathematical Foundations III	Review	Solving Logarithmic Equations by Combining the Laws of Logarithms	7/5 XP
Mathematical Foundations III	Lesson	Polar Equations of Radial Lines	9/7 XP
Mathematical Foundations III	Lesson	Solving Polynomial Inequalities Using the Sign Table Method	24/19 XP
Mathematical Foundations III	Lesson	Determining Limits of Sequences Using Relative Magnitudes	9/7 XP
Mathematical Foundations III	Review	Differentiating an Inverse Function at a Point	7/5 XP
Mathematical Foundations III	Review	Rigid Motions and Congruence	6/4 XP
Mathematical Foundations III	Lesson	Global vs. Local Extrema and Critical Points	9/7 XP

Sat, Mar 8th, 2025 (86 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Approximating Areas With the Left Riemann Sum	6/4 XP
Mathematical Foundations III	Review	Solving Quadratic Inequalities Using the Sign Table Method	6/4 XP
Mathematical Foundations III	Quiz	Quiz 13	11/15 XP
Mathematical Foundations III	Lesson	Solving Two-Variable Nonlinear Inequalities	9/7 XP
Mathematical Foundations III	Review	Residuals and Residual Plots	4/4 XP
Mathematical Foundations III	Lesson	Velocity and Acceleration for Plane Motion	13/10 XP
Mathematical Foundations III	Lesson	Connecting Differentiability and Continuity	9/7 XP
Mathematical Foundations III	Review	Differentiating Inverse Functions	6/4 XP
Mathematical Foundations III	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	6/4 XP
Mathematical Foundations III	Review	Implicit Differentiation	7/5 XP
Mathematical Foundations III	Lesson	Limits of Sequences	9/7 XP

Fri, Mar 7th, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Sums and Products of Rational and Irrational Numbers	6/4 XP
Mathematical Foundations III	Review	Mean and Variance of the Normal Distribution	7/5 XP
Mathematical Foundations III	Review	The Five Platonic Solids	6/4 XP
Mathematical Foundations III	Lesson	Modeling With the Normal Distribution	24/19 XP
Mathematical Foundations III	Lesson	The Fundamental Theorem of Calculus	13/10 XP

Thu, Mar 6th, 2025 (17 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 12	17/14 XP

Wed, Mar 5th, 2025 (79 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Cross Product of Two Vectors	6/4 XP
Mathematical Foundations III	Review	Calculating Intercepts of Parabolas	6/4 XP
Mathematical Foundations III	Review	Integration Using Substitution	6/4 XP
Mathematical Foundations III	Quiz	Quiz 12	10/15 XP
Mathematical Foundations III	Lesson	Solving Systems of Equations Using Inverse Matrices	18/14 XP
Mathematical Foundations III	Lesson	Continuity of Functions	11/9 XP
Mathematical Foundations III	Lesson	The Standard Matrix of a Linear Transformation	9/7 XP
Mathematical Foundations III	Review	Closure Properties of Polynomials	4/4 XP
Mathematical Foundations III	Lesson	Limits at Infinity and Horizontal Asymptotes of Rational Functions	9/7 XP

Tue, Mar 4th, 2025 (77 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Multistep	Applying Definitions of Derivatives and Definite Integrals	19/16 XP
Mathematical Foundations III	Lesson	Mean and Variance of the Normal Distribution	24/19 XP
Mathematical Foundations III	Lesson	Solving 2x2 Systems of Equations Using Inverse Matrices	9/7 XP
Mathematical Foundations III	Review	Similarity Transformations	6/4 XP
Mathematical Foundations III	Lesson	Integration Using Inverse Trigonometric Functions	10/8 XP
Mathematical Foundations III	Lesson	Representing 3x3 Systems of Equations Using a Matrix Product	9/7 XP

Mon, Mar 3rd, 2025 (78 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 11	13/11 XP
Mathematical Foundations III	Review	Inverses of Exponential and Logarithmic Functions	6/4 XP
Mathematical Foundations III	Review	The Fundamental Theorem of Algebra with Cubic Equations	7/5 XP
Mathematical Foundations III	Review	The Double-Angle Formula for Cosine	6/4 XP
Mathematical Foundations III	Quiz	Quiz 11	6/15 XP
Mathematical Foundations III	Lesson	The Normal Distribution	13/10 XP
Mathematical Foundations III	Multistep	Applications of the Dot Product	11/9 XP
Mathematical Foundations III	Lesson	Differentiating Inverse Reciprocal Trigonometric Functions	16/16 XP

Sun, Mar 2nd, 2025 (69 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Combining Graph Transformations of Sine and Cosine	6/4 XP
Mathematical Foundations III	Lesson	Representing 2x2 Systems of Equations Using a Matrix Product	9/7 XP
Mathematical Foundations III	Lesson	Calculating a Vector Projection	15/12 XP
Mathematical Foundations III	Lesson	Trigonometric Equations Containing Transformed Tangent Functions	21/17 XP
Mathematical Foundations III	Review	Left and Right Riemann Sums in Sigma Notation	8/6 XP

Mathematical Foundations III	Review	Properties of Transformed Secant and Cosecant Functions	4/4 XP
Mathematical Foundations III	Review	Conditional Probabilities From Venn Diagrams	6/4 XP

Sat, Mar 1st, 2025 (84 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Differentiating Inverse Trigonometric Functions	16/13 XP
Mathematical Foundations III	Multistep	Applying Definitions of Derivatives and Definite Integrals	15/15 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Secant and Cosecant	6/4 XP
Mathematical Foundations III	Review	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	9/7 XP
Mathematical Foundations III	Quiz	Quiz 10	15/15 XP
Mathematical Foundations III	Lesson	Differentiating an Inverse Function at a Point	23/18 XP

Fri, Feb 28th, 2025 (77 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating a Scalar Projection	11/9 XP
Mathematical Foundations III	Lesson	General Solutions of Trigonometric Equations With Transformed Functions	21/17 XP
Mathematical Foundations III	Lesson	Vertical Asymptotes of Rational Functions	10/8 XP
Mathematical Foundations III	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	6/4 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Tangent and Cotangent	4/4 XP
Mathematical Foundations III	Lesson	Differentiating Inverse Functions	11/9 XP
Mathematical Foundations III	Lesson	Powers of Matrices	11/9 XP
Mathematical Foundations III	Multistep	Applications of the Dot Product	3/9 XP

Thu, Feb 27th, 2025 (74 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	The Angle Between Two Vectors	16/16 XP
Mathematical Foundations III	Review	Independent Events	6/4 XP
Mathematical Foundations III	Review	Limits of Reciprocal Trigonometric Functions	4/4 XP
Mathematical Foundations III	Lesson	General Solutions of Elementary Trigonometric Equations	14/11 XP
Mathematical Foundations III	Lesson	The Fundamental Theorem of Algebra with Cubic Equations	11/9 XP
Mathematical Foundations III	Review	Determining Circle Properties by Completing the Square	6/4 XP
Mathematical Foundations III	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	4/4 XP
Mathematical Foundations III	Quiz	Quiz 9	13/15 XP

Wed, Feb 26th, 2025 (76 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Euler's Formula	6/4 XP
Mathematical Foundations III	Review	Unit Vectors	6/4 XP

Mathematical Foundations III	Lesson	The Fundamental Theorem of Algebra for Quadratic Equations	15/12 XP
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Cotangent	19/15 XP
Mathematical Foundations III	Lesson	Evaluating Expressions Containing Inverse Trigonometric Functions	9/7 XP
Mathematical Foundations III	Review	Solving Systems of Linear Inequalities	6/4 XP
Mathematical Foundations III	Lesson	Calculating dy/dx Using dx/dy	15/12 XP

Tue, Feb 25th, 2025 (71 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Selecting Procedures for Calculating Derivatives	8/6 XP
Mathematical Foundations III	Review	Properties of Matrix Addition	6/4 XP
Mathematical Foundations III	Review	Calculating the Equation of a Normal Line Using Differentiation	5/5 XP
Mathematical Foundations III	Lesson	Properties of Matrix Multiplication	13/10 XP
Mathematical Foundations III	Lesson	The Complex Conjugate and the Roots of a Quadratic Equation	14/11 XP
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Cosecant	16/13 XP
Mathematical Foundations III	Lesson	Graphing the Inverse Tangent Function	9/7 XP

Mon, Feb 24th, 2025 (66 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Invertible Functions	6/4 XP
Mathematical Foundations III	Quiz	Quiz 8	18/15 XP
Mathematical Foundations III	Lesson	Multiplying Matrices	9/7 XP
Mathematical Foundations III	Lesson	Graphing the Inverse Cosine Function	9/7 XP
Mathematical Foundations III	Lesson	Defining Vector-Valued Functions	9/7 XP
Mathematical Foundations III	Review	Inverses of Exponential and Logarithmic Functions	6/4 XP
Mathematical Foundations III	Lesson	The Cross Product of Two Vectors	9/7 XP

Sun, Feb 23rd, 2025 (69 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Secant	18/14 XP
Mathematical Foundations III	Review	Solving Logarithmic Equations by Combining the Laws of Logarithms	4/4 XP
Mathematical Foundations III	Lesson	Conformability for Matrix Multiplication	9/7 XP
Mathematical Foundations III	Lesson	Graphing the Inverse Sine Function	9/7 XP
Mathematical Foundations III	Lesson	Simplifying Trigonometric Expressions Using the Cotangent-Cosecant Identity	20/16 XP
Mathematical Foundations III	Lesson	Calculating the Magnitude of Cartesian Vectors in 3D	9/7 XP

Sat, Feb 22nd, 2025 (68 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Multiplying a Matrix by the Identity Matrix	9/7 XP

Mathematical Foundations III	Lesson	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	19/19 XP
Mathematical Foundations III	Review	The Law of Total Probability	7/5 XP
Mathematical Foundations III	Review	Approximating Areas With the Right Riemann Sum	6/4 XP
Mathematical Foundations III	Quiz	Quiz 7	12/15 XP
Mathematical Foundations III	Lesson	Finding Intercepts of Ellipses	15/12 XP

Fri, Feb 21st, 2025 (67 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Multiplying a Matrix by a Column Vector	9/7 XP
Mathematical Foundations III	Lesson	Inverses of 2x2 Matrices	9/7 XP
Mathematical Foundations III	Lesson	The Determinant of a 3x3 Matrix	16/13 XP
Mathematical Foundations III	Lesson	Calculating Intercepts of Parabolas	14/11 XP
Mathematical Foundations III	Lesson	Calculating Circle Intercepts	11/9 XP
Mathematical Foundations III	Multistep	Applying Definitions of Derivatives and Definite Integrals	8/15 XP

Thu, Feb 20th, 2025 (71 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Solving Exponential Equations With Different Bases Using Logarithms	8/6 XP
Mathematical Foundations III	Lesson	Defining Definite Integrals Using Left and Right Riemann Sums	14/14 XP
Mathematical Foundations III	Lesson	Polar Equations of Circles Centered at the Origin	9/7 XP
Mathematical Foundations III	Lesson	Introduction to the Inverse of a Matrix	13/10 XP
Mathematical Foundations III	Review	Permutations	4/4 XP
Mathematical Foundations III	Lesson	Equations of Ellipses Centered at a General Point	9/7 XP
Mathematical Foundations III	Review	Roots of Rational Functions	4/4 XP
Mathematical Foundations III	Lesson	Determining Circle Properties by Completing the Square	10/8 XP

Wed, Feb 19th, 2025 (85 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Binomial Distribution	4/4 XP
Mathematical Foundations III	Review	The Geometric Interpretation of the 2x2 Determinant	6/4 XP
Mathematical Foundations III	Quiz	Quiz 6	12/15 XP
Mathematical Foundations III	Lesson	Introduction to Linear Transformations	16/13 XP
Mathematical Foundations III	Lesson	Equations of Ellipses Centered at the Origin	9/7 XP
Mathematical Foundations III	Lesson	Equations of Circles	10/8 XP
Mathematical Foundations III	Lesson	Multiplying Square Matrices	9/9 XP
Mathematical Foundations III	Lesson	Simplifying Expressions Using the Secant-Tangent Identity	10/8 XP
Mathematical Foundations III	Lesson	The Vertex of a Parabola	9/7 XP

Tue, Feb 18th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Argument of a Complex Number	6/4 XP
Mathematical Foundations III	Lesson	Left and Right Riemann Sums in Sigma Notation	15/12 XP
Mathematical Foundations III	Review	The Magnitude of a Vector	6/4 XP
Mathematical Foundations III	Lesson	Equations of Circles Centered at the Origin	9/7 XP
Mathematical Foundations III	Lesson	Calculating the Dot Product Using Components	9/7 XP
Mathematical Foundations III	Lesson	Addition and Scalar Multiplication of Cartesian Vectors in 3D	9/7 XP

Mon, Feb 17th, 2025 (70 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Differentiating Parametric Curves	7/5 XP
Mathematical Foundations III	Quiz	Quiz 5	14/14 XP
Mathematical Foundations III	Review	The Binomial Distribution	6/4 XP
Mathematical Foundations III	Review	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	7/5 XP
Mathematical Foundations III	Review	Elementary Trigonometric Equations Containing Sine	6/4 XP
Mathematical Foundations III	Quiz	Quiz 5	4/15 XP
Mathematical Foundations III	Lesson	Approximating Areas With the Right Riemann Sum	15/12 XP
Mathematical Foundations III	Lesson	Left and Right Opening Parabolas	11/11 XP

Sun, Feb 16th, 2025 (59 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Circles in the Coordinate Plane	11/9 XP
Mathematical Foundations III	Lesson	The Geometric Interpretation of the 2x2 Determinant	9/7 XP
Mathematical Foundations III	Lesson	Three-Dimensional Vectors in Component Form	9/7 XP
Mathematical Foundations III	Review	Finding Intersections of Lines and Reciprocal Functions	6/6 XP
Mathematical Foundations III	Lesson	Euler's Formula	9/7 XP
Mathematical Foundations III	Lesson	Upward and Downward Opening Parabolas	15/12 XP

Sat, Feb 15th, 2025 (67 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	20/16 XP
Mathematical Foundations III	Lesson	Expressing Rational Functions with Irreducible Quadratic Factors as Sums of Partial Fractions	18/14 XP
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Tangent	13/13 XP
Mathematical Foundations III	Lesson	The Polar Form of a Complex Number	16/13 XP

Fri, Feb 14th, 2025 (61 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Symmetry Properties of the Standard Normal Distribution	6/4 XP

Mathematical Foundations III	Review	Graphing Curves Defined Parametrically	6/4 XP
Mathematical Foundations III	Quiz	Quiz 4	12/15 XP
Mathematical Foundations III	Lesson	Converting from Polar Coordinates to Cartesian Coordinates	18/14 XP
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Cosine	19/15 XP

Thu, Feb 13th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Dividing Complex Numbers	15/12 XP
Mathematical Foundations III	Lesson	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	21/21 XP
Mathematical Foundations III	Lesson	Finding Intercepts and Intersections of Hyperbolas	10/8 XP
Mathematical Foundations III	Review	Calculating Limits of Radical Functions Using Conjugate Multiplication	5/5 XP
Mathematical Foundations III	Lesson	Introduction to Polar Coordinates	11/11 XP

Wed, Feb 12th, 2025 (55 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Elementary Trigonometric Equations Containing Sine	19/15 XP
Mathematical Foundations III	Lesson	Special Properties of the Complex Conjugate	9/7 XP
Mathematical Foundations III	Lesson	Differentiating Parametric Curves	14/11 XP
Mathematical Foundations III	Lesson	Equations of Hyperbolas Centered at a General Point	13/10 XP

Tue, Feb 11th, 2025 (73 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	The Double-Angle Formula for Sine	6/4 XP
Mathematical Foundations III	Review	Integration Using Substitution	6/4 XP
Mathematical Foundations III	Quiz	Quiz 3	12/14 XP
Mathematical Foundations III	Lesson	The Complex Conjugate	9/7 XP
Mathematical Foundations III	Lesson	Equations of Hyperbolas Centered at the Origin	9/7 XP
Mathematical Foundations III	Lesson	Zero, Square, Diagonal and Identity Matrices	9/7 XP
Mathematical Foundations III	Lesson	The Double-Angle Formula for Cosine	9/7 XP
Mathematical Foundations III	Lesson	Graphing Curves Defined Parametrically	13/13 XP

Mon, Feb 10th, 2025 (64 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Calculating Acceleration for Straight-Line Motion Using Differentiation	9/7 XP
Mathematical Foundations III	Lesson	The Law of Total Probability	18/14 XP
Mathematical Foundations III	Lesson	Extending Polynomial Identities to the Complex Numbers	11/9 XP
Mathematical Foundations III	Lesson	Finding the Sum of an Infinite Geometric Series	10/8 XP

Mathematical Foundations III	Lesson	Evaluating Limits at Infinity by Comparing Relative Magnitudes of Functions	7/7 XP
Mathematical Foundations III	Multistep	Payoff Matrices and Discrete Random Variables	9/7 XP

Sun, Feb 9th, 2025 (78 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Calculating Derivatives From Graphs	6/4 XP
Mathematical Foundations III	Quiz	Quiz 2	14/14 XP
Mathematical Foundations III	Review	Describing the Position Vector of a Point Using Known Vectors	6/4 XP
Mathematical Foundations III	Review	Combining Graph Transformations of Secant and Cosecant	4/4 XP
Mathematical Foundations III	Review	Implicit Differentiation	7/5 XP
Mathematical Foundations III	Review	The Law of Sines	6/4 XP
Mathematical Foundations III	Quiz	Quiz 2	9/15 XP
Mathematical Foundations III	Lesson	Rates of Change in Applied Contexts	13/10 XP
Mathematical Foundations III	Lesson	Calculating Limits of Radical Functions Using Conjugate Multiplication	13/10 XP

Sat, Feb 8th, 2025 (74 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Integration Using Substitution	19/15 XP
Mathematical Foundations III	Lesson	Approximating Areas With the Left Riemann Sum	14/16 XP
Mathematical Foundations III	Multistep	Graphs of Linear Equations and Inequalities	9/7 XP
Mathematical Foundations III	Lesson	The Sum and Difference Formulas for Cosine	14/11 XP
Mathematical Foundations III	Lesson	Solving Quadratic Inequalities From Graphs	9/7 XP
Mathematical Foundations III	Lesson	Integrating Linear Rational Functions Using Substitution	9/7 XP

Fri, Feb 7th, 2025 (59 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Solving Quadratic Equations With Leading Coefficients by Completing the Square	9/7 XP
Mathematical Foundations III	Lesson	Alternate Forms of the Pythagorean Identity	11/11 XP
Mathematical Foundations III	Review	The Binomial Distribution	6/4 XP
Mathematical Foundations III	Lesson	The Double-Angle Formula for Sine	15/12 XP
Mathematical Foundations III	Lesson	The Minors of a 3x3 Matrix	7/7 XP
Mathematical Foundations III	Lesson	Simplifying Expressions Using the Pythagorean Identity	11/9 XP

Thu, Feb 6th, 2025 (119 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 1	18/15 XP
Mathematical Foundations III	Lesson	Integrating Algebraic Functions Using Substitution	14/11 XP
Mathematical Foundations III	Multistep	Payoff Matrices and Discrete Random Variables	7/7 XP

Mathematical Foundations III	Lesson	Calculating Velocity for Straight-Line Motion Using Differentiation	11/9 XP
Mathematical Foundations III	Lesson	The Sum and Difference Formulas for Sine	14/11 XP
Mathematical Foundations III	Lesson	Calculating the Dot Product Using Angle and Magnitude	9/9 XP
Mathematical Foundations III	Lesson	Simplifying Expressions Using Basic Trigonometric Identities	14/11 XP
Mathematical Foundations III	Lesson	The Determinant of a 2x2 Matrix	9/7 XP
Mathematical Foundations III	Lesson	Implicit Differentiation	23/18 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