Activity Log

Raubenheimer, Gabriel Student ID: **24149** Start Date: **11/5/2025** End Date: **11/12/2025**

Wed, Nov 12th, 2025 (339 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	**4**/8 XP
Mathematical Foundations III	Quiz	Quiz 20	**17**/14 XP
Mathematical Foundations III	Lesson	Improper Integrals Involving Exponential Functions	**13**/13 XP
Mathematical Foundations III	Lesson	Taylor Series	**19**/15 XP
Mathematical Foundations III	Lesson	Modeling With the Geometric Distribution	**15**/15 XP
Mathematical Foundations III	Lesson	The Geometric Distribution	**19**/15 XP
Mathematical Foundations III	Lesson	Maclaurin Series	**15**/12 XP
Mathematical Foundations III	Lesson	Modeling With the Binomial Distribution	**21**/17 XP
Mathematical Foundations III	Multistep	Payoff Matrices and Discrete Random Variables	**9**/7 XP
Mathematical Foundations III	Review	The Extreme Value Theorem	**6**/4 XP
Mathematical Foundations III	Lesson	The Standard Normal Distribution	**9**/7 XP
Mathematical Foundations III	Lesson	The Binomial Distribution	**17**/17 XP
Mathematical Foundations III	Lesson	Higher-Degree Taylor Polynomials	**8**/8 XP
Mathematical Foundations III	Quiz	Quiz 19	**18**/15 XP
Mathematical Foundations III	Lesson	Parametric Equations of Parabolas Centered at (h,k)	**21**/17 XP
Mathematical Foundations III	Lesson	Parametric Equations of Ellipses	**10**/8 XP
Mathematical Foundations III	Lesson	Cumulative Distribution Functions for Discrete Random Variables	**9**/9 XP
Mathematical Foundations III	Review	Solving Inequalities Involving Logarithmic Functions	**5**/5 XP
Mathematical Foundations III	Lesson	Parametric Equations of Parabolas	**18**/14 XP
Mathematical Foundations III	Lesson	The Arc Length of a Parametric Curve	**19**/15 XP
Mathematical Foundations III	Lesson	Parametric Equations of Circles	**9**/7 XP
Mathematical Foundations III	Lesson	Integration Using the Double-Angle Formulas	**21**/17 XP
Mathematical Foundations III	Review	Expressing Rational Functions with Repeated Factors as Sums of Partial Fractions	**7**/5 XP
Mathematical Foundations III	Review	Improper Integrals	**7**/5 XP
Mathematical Foundations III	Review	Definite Integrals of Piecewise Functions	**6**/4 XP
Mathematical Foundations III	Quiz	Quiz 18	**17**/14 XP

Tue, Nov 11th, 2025 (321 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Lesson	Cartesian Equations of Parametric Curves	**18**/14 XP

Mathematical Foundations III	Lesson	Integration Using the Pythagorean Identities	24/19 XP
Mathematical Foundations III	Lesson	Third-Degree Taylor Polynomials	15/12 XP
Mathematical Foundations III	Lesson	Alternate Forms of the Secant-Tangent Identity	15/12 XP
Mathematical Foundations III	Lesson	Analyzing Second-Degree Taylor Polynomials	9/7 XP
Mathematical Foundations III	Review	Calculating the Inverse of a 3x3 Matrix Using the Cofactor Method	10/8 XP
Mathematical Foundations III	Lesson	Further Solving of Two-Variable Nonlinear Inequalities	11/9 XP
Mathematical Foundations III	Lesson	Solving Two-Variable Nonlinear Inequalities	9/7 XP
Mathematical Foundations III	Review	Using the First Derivative Test to Classify Local Extrema	7/5 XP
Mathematical Foundations III	Review	Calculating Limits of Radical Functions Using Conjugate Multiplication	7/5 XP
Mathematical Foundations III	Lesson	Systems of Linear Inequalities	9/7 XP
Mathematical Foundations III	Lesson	Euler's Method: Calculating One Step	15/12 XP
Mathematical Foundations III	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	4/8 XP
Mathematical Foundations III	Quiz	Quiz 17	18/15 XP
Mathematical Foundations III	Lesson	Qualitative Analysis of Differential Equations	14/11 XP
Mathematical Foundations III	Lesson	Determining Characteristics of Moving Objects Using Integration	17/17 XP
Mathematical Foundations III	Lesson	Solving Initial Value Problems Using Separation of Variables	18/14 XP
Mathematical Foundations III	Lesson	Solving First-Order ODEs Using Separation of Variables	16/13 XP
Mathematical Foundations III	Lesson	Calculating the Displacement of a Particle Using Integration	16/13 XP
Mathematical Foundations III	Lesson	The Arc Length of a Planar Curve	21/17 XP
Mathematical Foundations III	Lesson	Solving Differential Equations Using Direct Integration	16/13 XP
Mathematical Foundations III	Lesson	Using Integration by Parts to Calculate Integrals With Logarithms	19/19 XP
Mathematical Foundations III	Lesson	Calculating the Position Function of a Particle Using Integration	13/10 XP

Mon, Nov 10th, 2025 (320 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 16	18/15 XP
Mathematical Foundations III	Lesson	Points of Inflection	14/11 XP
Mathematical Foundations III	Lesson	Calculating Velocity Using Integration	13/10 XP
Mathematical Foundations III	Lesson	Further Graphing of Two-Variable Linear Inequalities	9/7 XP
Mathematical Foundations III	Lesson	The Second Derivative Test	14/11 XP
Mathematical Foundations III	Lesson	Relating Concavity to the Second Derivative	10/12 XP
Mathematical Foundations III	Lesson	Introduction to Integration by Parts	24/19 XP
Mathematical Foundations III	Lesson	Integrating Exponential Functions Using Substitution	20/16 XP
Mathematical Foundations III	Lesson	Calculating Displacement for Plane Motion	11/9 XP
Mathematical Foundations III	Lesson	Limits of Inverse Trigonometric Functions	9/7 XP
Mathematical Foundations III	Lesson	The Special Case of the Binomial Theorem	10/10 XP
Mathematical Foundations III	Quiz	Quiz 15	18/15 XP
Mathematical Foundations III	Lesson	Determining Characteristics of Moving Objects Using Differentiation	15/12 XP
Mathematical Foundations III	Lesson	The Extreme Value Theorem	9/7 XP

Mathematical Foundations III	Lesson	Singular Linear Transformations in the Plane	13/10 XP
Mathematical Foundations III	Lesson	Expanding a Binomial Using Binomial Coefficients	13/10 XP
Mathematical Foundations III	Lesson	Pascal's Triangle and the Binomial Coefficients	7/7 XP
Mathematical Foundations III	Multistep	Linear Transformations and Their Inverses, and Areas of Transformed Objects	20/16 XP
Mathematical Foundations III	Lesson	Area Scale Factors of Linear Transformations	9/7 XP
Mathematical Foundations III	Lesson	Solving Rational Inequalities	19/15 XP
Mathematical Foundations III	Lesson	Inverting Linear Transformations	11/9 XP
Mathematical Foundations III	Lesson	Solving Inequalities Involving Logarithmic Functions	14/11 XP
Mathematical Foundations III	Lesson	Right-Angle Rotations as Linear Transformations	11/11 XP
Mathematical Foundations III	Lesson	The Roots of Unity	9/7 XP

Fri, Nov 7th, 2025 (104 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Quiz	Quiz 14	18/15 XP
Mathematical Foundations III	Lesson	Solving Radical Inequalities	11/11 XP
Mathematical Foundations III	Lesson	Linear Transformations of Objects in the Plane	9/7 XP
Mathematical Foundations III	Lesson	Linear Transformations of Points and Lines in the Plane	14/14 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	20/20 XP
Mathematical Foundations III	Review	Second-Degree Taylor Polynomials	8/6 XP
Mathematical Foundations III	Lesson	Velocity and Acceleration for Plane Motion	15/12 XP

Thu, Nov 6th, 2025 (113 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Mathematical Foundations III	Review	Calculating a Vector Projection	7/5 XP
Mathematical Foundations III	Lesson	The Area Bounded by a Curve and the Y-Axis	15/12 XP
Mathematical Foundations III	Lesson	The Area Between Curves Expressed as Functions of X	18/14 XP
Mathematical Foundations III	Review	Simplifying Trigonometric Expressions Using the Cotangent-Cosecant Identity	6/4 XP
Mathematical Foundations III	Quiz	Quiz 13	15/15 XP
Mathematical Foundations III	Lesson	Finding the Area Between a Curve and the X-Axis When They Intersect	20/16 XP
Mathematical Foundations III	Lesson	Determining Limits of Sequences Using Relative Magnitudes	9/7 XP
Mathematical Foundations III	Lesson	The Average Value of a Function	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