

**Jefferson County Educational Service Center
Virtual Learning Academy
Required Course Materials
MATHADVM: ADVANCED MATH**

Unit 02: Graphing Techniques and Review of Conic Sections

Graph Paper
Graphing Calculator

Unit 07: Use of the Graphing Calculator with Functions

Graphing Calculator

Unit 08: The Inverse of a Function

Graphing Calculator

Unit 09: Two Special Functions

Graph Paper
Graphing Calculator

Unit 10: Solving Systems of Equations for Points of Intersection

Graphing Calculator

Unit 12: Matrices and Systems of Equations

Graphing Calculator

Unit 13: Curve Fitting, Scatter Plots and Regression

Graphing Calculator

Unit 18: First Semester Exam

Graphing Calculator

Unit 19: Introduction to Trigonometry

Graphing or Scientific Calculator

Unit 21: Graphing Trigonometric Functions

Graphing Calculator

Unit 22: Inverse Trigonometric Functions

Graphing or Scientific Calculator

Unit 24: Double-Angle and Half-Angle Identities; Law of Sines and Law of Cosines

Graphing or Scientific Calculator

Unit 25: The Area of Triangle and Solving Trigonometric Equations

Graphing or Scientific Calculator

Unit 27: Graphing Polar Equations

Graphing Calculator

Unit 28: Trigonometry and the Complex Plane

Graphing or Scientific Calculator

Unit 29: Exponential Expressions

Graphing Calculator

Unit 30: Introduction to Logarithms

Graphing or Scientific Calculator

Unit 31: Applications of Exponential and Logarithmic Functions

Graphing Calculator

Unit 32: The Natural Exponential and Logarithm with Applications

Graphing Calculator

Unit 33: Sequences and Series

Graphing or Scientific Calculator

Unit 34: Infinite Sequences and Series

Graphing or Scientific Calculator

Unit 35: Convergent and Divergent Infinite Series: Mathematical Induction and the Binomial Theorem

Graphing or Scientific Calculator

Unit 36: Final Exam

Graphing Calculator