

Precalc Videos

MATRICES

Matrix Multiplication <https://www.khanacademy.org/math/prec calculus/prec calc-matrices/multiplying-matrices-by-matrices/v/multiplying-a-matrix-by-a-matrix>

Matrix Multiplication w/ Variables <https://www.youtube.com/watch?v=m14Wg9PhiHA>

Solving 2 Step Matrix Equations <https://www.youtube.com/watch?v=nCxdnXoRhtM>

Solving Systems of Equations w/ Matrices <https://www.youtube.com/watch?v=7euvxjnvzYc>

CONICS

Completing the Square <https://www.youtube.com/watch?v=xGOQYTo9AKY>

Classifying Conic Sections <https://www.youtube.com/watch?v=krHfhWrRQYc>

Classifying Conic Sections/Standard Form <https://www.youtube.com/watch?v=Uf1rtnBZ1dM>

Circles

Writing Equation of Circles in Standard Form <https://www.youtube.com/watch?v=VKlzqJMyLhA>

Graphing a Circle When Given Equation <https://www.youtube.com/watch?v=gMveg6lRFnQ>

Writing Equation of a Circle from Graph <https://www.youtube.com/watch?v=ZcnpGqZd8Vg>

Writing Equation of a Circle, Given Endpoints of Diameter <https://www.youtube.com/watch?v=KomxJiH6Quk>

Ellipses

Writing Equation of Ellipse in Standard Form <https://www.youtube.com/watch?v=KjfrDkry6Yk>

Graphing an Ellipse When Given the Equation <https://www.youtube.com/watch?v=6HMTw8ql8uU>

Writing an Equation of an Ellipse from Graph <https://www.youtube.com/watch?v=LZfXJzSyRj4>

Writing an Equation of an Ellipse, Given Vertices and Minor Axis <https://www.youtube.com/watch?v=frGwEhj1M1I>

Hyperbolas

Writing Equation of Hyperbola in Standard Form/Graphing <https://www.youtube.com/watch?v=VJKTPI1T9FA>

Graphing a Hyperbola When Given the Equation

Writing an Equation of a Hyperbola from Graph <https://www.youtube.com/watch?v=7v1koVqwXK4>

Writing an Equation of a Hyperbola, Given Center, Focus, and Transverse Axis

<https://www.youtube.com/watch?v=ZxHjeRUnacY>

Writing an Equation of a Hyperbola, Given Vertices and Foci <https://www.youtube.com/watch?v=V5dBFw0Y0pE>

Parabolas

Writing Equation of Parabola in Standard Form <https://www.youtube.com/watch?v=HFJvltKNYOY>

Graphing a Parabola When Given the Equation

Writing an Equation of a Parabola from Graph

Writing an Equation of a Parabola Given Vertex and Directrix <https://www.youtube.com/watch?v=uA-PcAylQ7g>

Graphing a Parabola and Writing Equation When Given Focus and Directrix

https://www.youtube.com/watch?v=1jqNBO1_Qa0

RADICAL/ABSOLUTE VALUE

Solving Radical Inequalities <https://www.youtube.com/watch?v=joPJVCS5pH4>

Solving Radical Inequalities 2 https://www.youtube.com/watch?v=fo_hRIQyrlk

Solving Absolute Value Inequalities (OR example) <https://www.youtube.com/watch?v=OzmqAZZd88g>

Solving Absolute Value Inequalities (AND example) https://www.youtube.com/watch?v=I5x566_U8Y

LOGARITHMS

Condensing Logarithmic Equations <https://www.youtube.com/watch?v=sazmPQ33Ns4>

Expanding Logarithmic Equations <https://www.youtube.com/watch?v=aguiKj37SwE>

Using Change of Base Formula <https://www.youtube.com/watch?v=9aOkVYBnaOg>

Writing Logarithmic Equations in Exponential Form <https://www.youtube.com/watch?v=c-FVjcPpz54>

Writing Exponential Equations in Logarithmic Form https://www.youtube.com/watch?v=Y_rE2Pi6MZQ

Evaluating Logarithmic Expressions <https://www.youtube.com/watch?v=Xy9nSADgiYA>

<https://www.youtube.com/watch?v=Xy9nSADgiYA>

Simplifying Expressions with Logarithmic Exponents <https://www.youtube.com/watch?v=qiQXT9vAGrA>

Solving Exponential Equations w/out Logs <https://www.youtube.com/watch?v=qFE15LPHdBQ>

Solving Exponential Equations with Logs (1 exponent) <https://www.youtube.com/watch?v=aRIs4FPbY5I>

Solving Exponential Equations with Logs (2 exponents) <https://www.youtube.com/watch?v=23el04fJ8Ww>

Solving Logarithmic Functions (1st Type) <https://www.youtube.com/watch?v=qILCTT6wPt4>

Solving Logarithmic Functions (2nd Type) <https://www.youtube.com/watch?v=59j0ALU3N7k>