

Video Links for Matrix Operations

Day #1

Matrix Addition and Subtraction

https://www.youtube.com/watch?v=-KU_FriVVQs

Matrix Scalar Multiples

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/multiplying-matrices-by-scalars/v/scalar-multiplication>

Identity Matrix

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/properties-of-matrix-multiplication/v/identity-matrix>

Day #2

Matrix Multiplication

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/multiplying-matrices-by-matrices/v/matrix-multiplication-intro>

watch this one too...

https://www.youtube.com/watch?v=kuiXy2bCc_0

Matrices and the Distributive Property

<https://www.khanacademy.org/math/linear-algebra/matrix-transformations/composition-of-transformations/v/distributive-property-of-matrix-products>

Matrices and the Commutative Property

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/properties-of-matrix-multiplication/v/commutative-property-matrix-multiplication>

Matrices and the Associative Property

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/properties-of-matrix-multiplication/v/associative-property-matrix-multiplication>

Matrices and the determinant

2x2 matrix

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/determinant-of-2x2-matrix/v/finding-the-determinant-of-a-2x2-matrix>

3x3 matrix

<https://www.youtube.com/watch?v=21LWuY8i6Hw>

Sal's shortcut...

<https://www.khanacademy.org/math/algebra-home/alg-matrices/alg-determinants-and-inverses-of-large-matrices/v/finding-the-determinant-of-a-3x3-matrix-method-1>

Day #3

Matrices and their Inverses

<https://www.khanacademy.org/math/prec calculus/prec calc-matrices/intro-to-matrix-inverses/v/inverse-matrix-part-1>

<https://www.youtube.com/watch?v=w2t9VADaw10>

Using Inverses to Solve Systems

<https://www.youtube.com/watch?v=Re1F4d24Fxc>

Videos for Using a Calculator

Solving Systems

https://www.youtube.com/watch?v=boK_8kkYLCA

Finding a determinant

https://www.youtube.com/watch?v=Z5B_fN1UNjU

Finding an inverse

<https://www.youtube.com/watch?v=ffj4NbLcTU>