

Rational Expressions and Functions

Radicals and Rational Exponents

Square root of a rational perfect square

<http://www.youtube.com/watch?v=uwDQGM7PN5k&feature=PlayList&p=4FC0067845735DE8&index=7>

Square root simplification

http://www.youtube.com/watch?v=aMO73wbK_iU

<http://www.youtube.com/watch?v=CN1I81Suuks>

<http://www.youtube.com/watch?v=VHIulxp1PS4>

Square root of a perfect square monomial

Simplifying a radical expression

<http://www.youtube.com/watch?v=hclSMThq8yE>

http://www.youtube.com/watch?v=KR09_EjQBz8

Square root addition

<http://www.youtube.com/watch?v=MKwxPbITcXQ&feature=related>

<http://www.youtube.com/watch?v=4WURmk31ucs>

Square root multiplication

<http://www.youtube.com/watch?v=XW9v8GRVCyg>

<http://www.youtube.com/watch?v=cx1TAJ9cP0o>

Simplifying a product of a radical expression

http://www.youtube.com/watch?v=9b0GKBMfZ_c

Rationalizing the denominator of a radical expression

http://www.youtube.com/watch?v=i4F8x_6PHpY&feature=PlayList&p=A945DA9713AC8DED&playnext=1&playnext_from=PL&index=3

Pythagorean Theorem

<http://www.youtube.com/watch?v=WziqDlzHYxU>

<http://www.youtube.com/watch?v=ku4rEwRxZOC>

Solving an equation with radicals

http://www.youtube.com/watch?v=V8I2_zgNRHI

<http://www.youtube.com/watch?v=1VDmAXbFISI>

Cube root of an integer

<http://www.youtube.com/watch?v=XhUIdDoytMc>

<http://www.youtube.com/watch?v=8PZcv5eJY4M>

Converting between radical form and exponent form
<http://www.youtube.com/watch?v=XNhjAWUVvrE>
<http://www.youtube.com/watch?v=recwYgr61rE>

Quadratic Equations

Even root property
<http://www.youtube.com/watch?v=n-EyTCn7XL8>

Solving an equation with exponent using the Even root property
<http://www.youtube.com/watch?v=c5YBdkW4F1c>

Solving a quadratic equation using the quadratic formula
<http://www.youtube.com/watch?v=xJuPKusB0Zs>
<http://www.youtube.com/watch?v=s80J2dAUUyI>