

**Videos Relating to Quadratic Equations and Inequalities  
(Chapters 3-4)**

Introduction to Factoring	1:21	<a href="https://www.youtube.com/watch?v=FvsQJ7S5eo8&amp;t=7s">https://www.youtube.com/watch?v=FvsQJ7S5eo8&amp;t=7s</a>
Common Factoring Part 1	2:35	<a href="https://www.youtube.com/watch?v=JJSrxY7UY0U">https://www.youtube.com/watch?v=JJSrxY7UY0U</a>
Common Factoring Part 2	2:55	<a href="https://www.youtube.com/watch?v=i2hVrjnXXIQ">https://www.youtube.com/watch?v=i2hVrjnXXIQ</a>
Math - Factoring: Sign Switch Trick	3:00	<a href="https://www.youtube.com/watch?v=riYqIdifPn8">https://www.youtube.com/watch?v=riYqIdifPn8</a>
Factoring Trinomials – Part 1	5:34	<a href="https://www.youtube.com/watch?v=nYbxMCWgvqE">https://www.youtube.com/watch?v=nYbxMCWgvqE</a>
Factoring with Fractions or Decimals	2:15	<a href="https://www.youtube.com/watch?v=N-z6g9mDUSc">https://www.youtube.com/watch?v=N-z6g9mDUSc</a>
Factoring Trinomials – last term contains a squared variable	1:11	<a href="https://www.youtube.com/watch?v=3NCdohuHpa4">https://www.youtube.com/watch?v=3NCdohuHpa4</a>
Factoring Trinomials with Substitution	1:48	<a href="https://www.youtube.com/watch?v=7R3tsSLKu_k">https://www.youtube.com/watch?v=7R3tsSLKu_k</a>
Factoring a Difference of Squares	6:54	<a href="https://www.youtube.com/watch?v=EHHPSTyGuZ8">https://www.youtube.com/watch?v=EHHPSTyGuZ8</a>
Factoring a Difference of Squares with Fractions	1:34	<a href="https://www.youtube.com/watch?v=c0SVIIEDiKU">https://www.youtube.com/watch?v=c0SVIIEDiKU</a>
Factoring a Difference of Squares with Groups	1:06	<a href="https://www.youtube.com/watch?v=frNA-oMUJkc">https://www.youtube.com/watch?v=frNA-oMUJkc</a>
Factoring by Grouping	2:57	<a href="https://www.youtube.com/watch?v=aI49nPN1YfM">https://www.youtube.com/watch?v=aI49nPN1YfM</a>
Factoring Trinomials, leading coefficient not equal to 1	8:56	<a href="https://www.youtube.com/watch?v=_Gd2jyL7kWO">https://www.youtube.com/watch?v=_Gd2jyL7kWO</a>
Solving with Factoring – part 1	6:07	<a href="https://www.youtube.com/watch?v=-CzeFCGfVqM">https://www.youtube.com/watch?v=-CzeFCGfVqM</a>
Solving with Factoring – part 2	3:54	<a href="https://www.youtube.com/watch?v=u1LJmDB0z_Q">https://www.youtube.com/watch?v=u1LJmDB0z_Q</a>
Graphing Review	2:50	<a href="https://www.youtube.com/watch?v=WLPzP3tI0zI">https://www.youtube.com/watch?v=WLPzP3tI0zI</a>
Intercepts	2:42	<a href="https://www.youtube.com/watch?v=d1_zw8NaVzg">https://www.youtube.com/watch?v=d1_zw8NaVzg</a>
“Joe Average” Parabola	2:17	<a href="https://www.youtube.com/watch?v=CnN97ewNQW8">https://www.youtube.com/watch?v=CnN97ewNQW8</a>
Quadratic Transformations	3:10	<a href="https://www.youtube.com/watch?v=EnV8kiqQHjA">https://www.youtube.com/watch?v=EnV8kiqQHjA</a>
Finding the Equation of a Quadratic	3:00	<a href="https://www.youtube.com/watch?v=XSisZ5hBoOo">https://www.youtube.com/watch?v=XSisZ5hBoOo</a>
Finding x-intercepts by inspection	2:53	<a href="https://www.youtube.com/watch?v=QK0YHxd0y1A">https://www.youtube.com/watch?v=QK0YHxd0y1A</a>

Solving by Factoring	4:27	<a href="https://www.youtube.com/watch?v=9FOU_ZnkZ9Y">https://www.youtube.com/watch?v=9FOU_ZnkZ9Y</a>
Using the Quadratic Formula	4:38	<a href="https://www.youtube.com/watch?v=IM8Cmm_GV0s">https://www.youtube.com/watch?v=IM8Cmm_GV0s</a>
Completing the Square	5:11	<a href="https://www.youtube.com/watch?v=4IUcrLiBKjE">https://www.youtube.com/watch?v=4IUcrLiBKjE</a>
Characteristics of a Parabola	4:41	<a href="https://www.youtube.com/watch?v=cily7THpfus">https://www.youtube.com/watch?v=cily7THpfus</a>
Projectile Motion	4:53	<a href="https://www.youtube.com/watch?v=qa-B2eKPS4w">https://www.youtube.com/watch?v=qa-B2eKPS4w</a>
Optimization with Quadratics	7:18	<a href="https://www.youtube.com/watch?v=dU2et0Ik4zY">https://www.youtube.com/watch?v=dU2et0Ik4zY</a>
Projectile Example #1	2:45	<a href="https://www.youtube.com/watch?v=Ixs7wCtQqH8">https://www.youtube.com/watch?v=Ixs7wCtQqH8</a>
Projectile Example #2	2:22	<a href="https://www.youtube.com/watch?v=Zfa0rX2BJ8U">https://www.youtube.com/watch?v=Zfa0rX2BJ8U</a>
Optimization Example #1	3:56	<a href="https://www.youtube.com/watch?v=xjzJskjspXg">https://www.youtube.com/watch?v=xjzJskjspXg</a>
Optimization Example #2	3:29	<a href="https://www.youtube.com/watch?v=C9wL6RpQQ4">https://www.youtube.com/watch?v=C9wL6RpQQ4</a>
Optimization Example #3	4:29	<a href="https://www.youtube.com/watch?v=5wIph4UwBQc">https://www.youtube.com/watch?v=5wIph4UwBQc</a>