College Algebra Review

MULTIPLICATION AND DIVISION OF POLYNOMIALS

Multiplication

<https://www.youtube.com/watch?v=pD2-H15ucNE> Multiplying a monomial by a polynomial

<iframe width="560" height="315" src="https://www.youtube.com/embed/pD2-H15ucNE" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=Xy8NKUoyy98> Multiplying binomials intro

<iframe width="560" height="315" src="https://www.youtube.com/embed/Xy8NKUoyy98" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=ZMLFfTX615w> Multiplying a binomial

<iframe width="560" height="315" src="https://www.youtube.com/embed/ZMLFfTX615w" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=JfuisfEdnjk> Special products (x+a)(x-a)

<iframe width="560" height="315" src="https://www.youtube.com/embed/JfuisfEdnjk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=xH_GllPuymc> Squaring binomials of the form (x+a)²

<iframe width="560" height="315" src="https://www.youtube.com/embed/xH\_GllPuymc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

Division

<https://www.youtube.com/watch?v=4Eax48gDg9g> Simplifying monomials

<iframe width="560" height="315" src="https://www.youtube.com/embed/4Eax48gDg9g" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=XFwQV-KCudw> common monomial factors

<iframe width="560" height="315" src="https://www.youtube.com/embed/XFwQV-KCudw" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=FXgV9ySNusc> Polynomial division

<iframe width="560" height="315" src="https://www.youtube.com/embed/FXgV9ySNusc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

FACTORING BY GROUPING

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=tDlzWNtRzS8> common binomial factor

<iframe width="560" height="315" src="https://www.youtube.com/embed/tDlzWNtRzS8" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=HXIj16mjfgk> Factor a polynomial with two variables

<iframe width="560" height="315" src="https://www.youtube.com/embed/HXIj16mjfgk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=d-2Lcp0QKfI> Factoring quadratics

<iframe width="560" height="315" src="https://www.youtube.com/embed/d-2Lcp0QKfI" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

FACTORING THE GREATEST COMMON FACTOR

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=mbb3msmX2xs> Factor a linear binomial

<iframe width="560" height="315" src="https://www.youtube.com/embed/mbb3msmX2xs" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=iTn3TTF0IXk> Factoring binomials

<iframe width="560" height="315" src="https://www.youtube.com/embed/iTn3TTF0IXk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=MZl6Mna0leQ> Factor a polynomial with two variables

<iframe width="560" height="315" src="https://www.youtube.com/embed/MZl6Mna0leQ" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

FACTORING DIFFERENCE OF TWO SQUARES

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=tvnOWIoeeaU> Factoring a difference of squares

<iframe width="560" height="315" src="https://www.youtube.com/embed/tvnOWIoeeaU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=YahJQvY396o> Factoring a difference of squares with two variables

<iframe width="560" height="315" src="https://www.youtube.com/embed/YahJQvY396o" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=jmbg-DKWuc4> Factor completely a difference of squares

<iframe width="560" height="315" src="https://www.youtube.com/embed/jmbg-DKWuc4" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

FACTORING QUADRATIC TRINOMIALS

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=D3a8NnpQ2vU> Factoring quadratics as (x+a)(x+b)

<iframe width="560" height="315" src="https://www.youtube.com/embed/D3a8NnpQ2vU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=1kfq0aR3ASs> Factoring quadratics as (x+a)(x+b)

<iframe width="560" height="315" src="https://www.youtube.com/embed/1kfq0aR3ASs" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=eF6zYNzlZKQ> More examples of factoring quadratics leading coefficient of 1

<iframe width="560" height="315" src="https://www.youtube.com/embed/eF6zYNzlZKQ" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=4STGvuoBi5U> Identifying perfect square form

<iframe width="560" height="315" src="https://www.youtube.com/embed/4STGvuoBi5U" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=XuwldEyWjH0> Factoring quadratics as a perfect square of a sum

<iframe width="560" height="315" src="https://www.youtube.com/embed/XuwldEyWjH0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=liRNTieIU_k> Factoring quadratics as a perfect square of difference

<iframe width="560" height="315" src="https://www.youtube.com/embed/liRNTieIU\_k" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=BFW2lHobO4E> Factoring perfect squares: common factor

<iframe width="560" height="315" src="https://www.youtube.com/embed/BFW2lHobO4E" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

Factor quadratics by grouping (ac method)

<https://www.youtube.com/watch?v=X7B_tH4O-_s>

<iframe width="560" height="315" src="https://www.youtube.com/embed/X7B\_tH4O-\_s" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=u1SAo2GiX8A>

<iframe width="560" height="315" src="https://www.youtube.com/embed/u1SAo2GiX8A" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=R-rhSQzFJL0> Factoring quadratics by taking a common factor and grouping

<iframe width="560" height="315" src="https://www.youtube.com/embed/R-rhSQzFJL0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

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Factoring Sum and Difference of Cubes

<https://youtu.be/Touv2APcBRw> Factoring sum of cubes

<iframe width="790" height="444" src="https://www.youtube.com/embed/Touv2APcBRw" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/CxcP4ylUP5w> Factoring difference of cubes

<iframe width="790" height="444" src="https://www.youtube.com/embed/CxcP4ylUP5w" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

Simplifying Rational Expressions:

<https://youtu.be/7Uos1ED3KHI> Intro to rational expression simplification

<iframe width="797" height="448" src="https://www.youtube.com/embed/7Uos1ED3KHI" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/XFwQV-KCudw> Simplifying rational expressions: common monomial factors

<iframe width="797" height="448" src="https://www.youtube.com/embed/XFwQV-KCudw" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/XChok8XlF90> Simplifying rational expressions: common binomial factors

<iframe width="797" height="448" src="https://www.youtube.com/embed/XChok8XlF90" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/ey_b3aPsRl8> Simplifying rational expressions: opposite common binomial factors

<iframe width="797" height="448" src="https://www.youtube.com/embed/ey\_b3aPsRl8" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/dstNU7It-Ro> Simplifying rational expressions: grouping

<iframe width="797" height="448" src="https://www.youtube.com/embed/dstNU7It-Ro" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/yPZ7In2tdOQ> Simplifying rational expressions: higher degree terms

<iframe width="797" height="448" src="https://www.youtube.com/embed/yPZ7In2tdOQ" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/e7vA_S7abSY> Simplifying rational expressions: two variables

<iframe width="797" height="448" src="https://www.youtube.com/embed/e7vA\_S7abSY" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

Multiplying & dividing rational expressions

<https://youtu.be/6nALFmvvgds> Multiplying and dividing monomials

<iframe width="797" height="448" src="https://www.youtube.com/embed/6nALFmvvgds" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/3GL69IA2q4s> Multiplying rational expressions: multiple variables mono

<iframe width="797" height="448" src="https://www.youtube.com/embed/3GL69IA2q4s" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/f-wz_ZzSDdg> Multiplying rational expressions

<iframe width="797" height="448" src="https://www.youtube.com/embed/f-wz\_ZzSDdg" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/gcnk8TnzsLc> Dividing rational expressions

<iframe width="797" height="448" src="https://www.youtube.com/embed/gcnk8TnzsLc" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

Adding & subtracting rational expressions

<https://youtu.be/rmYlCuiC5uY> Adding and subtracting rational expressions like denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/rmYlCuiC5uY" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/w7NhLkQynS8> Intro to adding rational expressions with unlike denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/w7NhLkQynS8" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/DrE_iiw1Mvk> Adding rational expression unlike denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/DrE\_iiw1Mvk" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/evmDZkDvlNw> Subtraction rational expressions unlike denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/evmDZkDvlNw" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

Review Least common multiple

<https://youtu.be/znmPfDfsir8> Least common multiple

<iframe width="797" height="448" src="https://www.youtube.com/embed/znmPfDfsir8" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/QUem_2dkB9I> Least common multiple repeating factors

<iframe width="797" height="448" src="https://www.youtube.com/embed/QUem\_2dkB9I" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/Ws03IbNrjfM> Least common multiples of polynomials

<iframe width="797" height="448" src="https://www.youtube.com/embed/Ws03IbNrjfM" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

Adding and subtracting rational expressions

<https://youtu.be/j8cKFzj5V6g> Subtraction rational expressions factored denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/j8cKFzj5V6g" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/IKsi-DQU2zo> Subtraction rational expression not factored denominators

<iframe width="797" height="448" src="https://www.youtube.com/embed/IKsi-DQU2zo" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

SQUARE ROOTS

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=mbc3_e5lWw0> Introduction to square roots

<iframe width="560" height="315" src="https://www.youtube.com/embed/mbc3\_e5lWw0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=cw3mp8oNASk> Simplifying square roots

<iframe width="560" height="315" src="https://www.youtube.com/embed/cw3mp8oNASk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=s9ppnjgmiyk> Rewriting square root of fraction

<iframe width="560" height="315" src="https://www.youtube.com/embed/s9ppnjgmiyk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=74iuGIaBgRc> Simplifying radicals examples

<iframe width="560" height="315" src="https://www.youtube.com/embed/74iuGIaBgRc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

CUBE ROOTS

<https://youtu.be/87_qIofPwhg> Intro to cube roots

<iframe width="797" height="448" src="https://www.youtube.com/embed/87\_qIofPwhg" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/8y7xP4zz0UY> Cube root of a non perferct cube

<iframe width="797" height="448" src="https://www.youtube.com/embed/8y7xP4zz0UY" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/GEeKOeGHddY> Simplifying cube root expressions

<iframe width="790" height="444" src="https://www.youtube.com/embed/GEeKOeGHddY" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/NuccqpiUHrk> Simplifying cube root expressions two variables

<iframe width="790" height="444" src="https://www.youtube.com/embed/NuccqpiUHrk" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

PYTHAGOREAN THEOREM

<https://youtu.be/AA6RfgP-AHU> Intro to the Pythagorean theorem

<iframe width="797" height="448" src="https://www.youtube.com/embed/AA6RfgP-AHU" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/AEIzy1kNRqo> Intro to the Pythagorean theorem 2

<iframe width="797" height="448" src="https://www.youtube.com/embed/AEIzy1kNRqo" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/JVrkLIcA2qw> Pythagorean theorem word problem fishing boat

<iframe width="797" height="448" src="https://www.youtube.com/embed/JVrkLIcA2qw" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/T0IOrRETWhI> Pythagorean theorem word problem carpet

<iframe width="797" height="448" src="https://www.youtube.com/embed/T0IOrRETWhI" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/TjOlZr_2uW4> Pythagorean theorem with isosceles triangle

<iframe width="797" height="448" src="https://www.youtube.com/embed/TjOlZr\_2uW4" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/nMhJLn5ives> Pythagorean theorem examples

<iframe width="797" height="448" src="https://www.youtube.com/embed/nMhJLn5ives" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

LINEAR EQUATIONS; LITERAL EQUATIONS

KhanAcademy Youtube channel link

One step:

<https://www.youtube.com/watch?v=jWpiMu5LNdg> How to solve one-step equations | Linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/jWpiMu5LNdg" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=VidnbCEOGdg> Example of solving one step linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/VidnbCEOGdg" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=XD-FDGdWnR8> How to solve one-step equations with fractions and decimals

<iframe width="560" height="315" src="https://www.youtube.com/embed/XD-FDGdWnR8" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=9Ek61w1LxSc> How to solve equations of the form ax = b | Linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/9Ek61w1LxSc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=DqeMQHomwAU> How to solve equations of the form x/a = b | Linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/DqeMQHomwAU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=a3acutLstF8> How to solve one-step multiplication and division equations with fractions and decimals

<iframe width="560" height="315" src="https://www.youtube.com/embed/a3acutLstF8" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

two step:

<https://www.youtube.com/watch?v=XoEn1LfVoTo> How to solve two-step equations | Linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/XoEn1LfVoTo" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=p5e5mf_G3FI> Example: two-step equation with numerator x

<iframe width="560" height="315" src="https://www.youtube.com/embed/p5e5mf\_G3FI" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

variable on both sides:

<https://www.youtube.com/watch?v=f15zA0PhSek>

<iframe width="560" height="315" src="https://www.youtube.com/embed/f15zA0PhSek" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=1c5HY3z4k8M>

<iframe width="560" height="315" src="https://www.youtube.com/embed/1c5HY3z4k8M" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=PL9UYj2awDc> (with fractions)

<iframe width="560" height="315" src="https://www.youtube.com/embed/PL9UYj2awDc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=YZBStgZGyDY> (with parentheses)

<iframe width="560" height="315" src="https://www.youtube.com/embed/YZBStgZGyDY" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

QUADRATIC EQUATIONS BY FACTORING

KhanAcademy Youtube links

<https://www.youtube.com/watch?v=2ZzuZvz33X0> Solving a quadratic equation by factoring

<iframe width="560" height="315" src="https://www.youtube.com/embed/2ZzuZvz33X0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=KbFwLvCOBUI> Solving a quadratic equation by factoring

<iframe width="560" height="315" src="https://www.youtube.com/embed/KbFwLvCOBUI" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

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QUADRATIC EQUATIONS BY COMPLETING THE SQUARE

<https://youtu.be/VvuuRpJbbHE> Completing the square intro

<iframe width="790" height="444" src="https://www.youtube.com/embed/VvuuRpJbbHE" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/sh-MP-dVhD4> Rewriting expressions by completing the square

<iframe width="790" height="444" src="https://www.youtube.com/embed/sh-MP-dVhD4" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/VTlvg4wJ1X0> Solving quadratics by taking square roots example

<iframe width="790" height="444" src="https://www.youtube.com/embed/VTlvg4wJ1X0" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/bNQY0z76M5A> Solving equations by completing the square 1

<iframe width="790" height="444" src="https://www.youtube.com/embed/bNQY0z76M5A" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/KouDAzYl_bc> Solving equations by completing the square 2

<iframe width="790" height="444" src="https://www.youtube.com/embed/KouDAzYl\_bc" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/TV5kDqiJ1Os> Completing the square leading coefficient not 1

<iframe width="790" height="444" src="https://www.youtube.com/embed/TV5kDqiJ1Os" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/6agzj3A9IgA> Solving equations by completing the square no solution

<iframe width="790" height="444" src="https://www.youtube.com/embed/6agzj3A9IgA" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

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Cartesian Plane

<https://youtu.be/N4nrdf0yYfM> Intro to the coordinate plane

<iframe width="621" height="349" src="https://www.youtube.com/embed/N4nrdf0yYfM" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/VhNkWdLGpmA> Points on the coordinate plane

<iframe width="838" height="472" src="https://www.youtube.com/embed/VhNkWdLGpmA" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/rgvysb9emcQ> Graphing a linear equation

<iframe width="621" height="349" src="https://www.youtube.com/embed/rgvysb9emcQ" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

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<https://www.youtube.com/watch?v=qk69pR91R00> Checking ordered pair solutions to equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/qk69pR91R00" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=d3VMo1VWFvc> Checking ordered pair solutions

<iframe width="560" height="315" src="https://www.youtube.com/embed/d3VMo1VWFvc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=AOxMJRtoR2A> Two-variable linear equations and their graphs

<iframe width="560" height="315" src="https://www.youtube.com/embed/AOxMJRtoR2A" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

intro to intercepts

<https://www.youtube.com/watch?v=LNSB0N6esPU> Introduction to intercepts

<iframe width="560" height="315" src="https://www.youtube.com/embed/LNSB0N6esPU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=xiIQQNufFuU> Finding the x-intercept

<iframe width="560" height="315" src="https://www.youtube.com/embed/xiIQQNufFuU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=xGmef7lFc5w> Finding intercepts from an equation

<iframe width="560" height="315" src="https://www.youtube.com/embed/xGmef7lFc5w" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=CGZZINHT0I8> Finding intercepts from a table

<iframe width="560" height="315" src="https://www.youtube.com/embed/CGZZINHT0I8" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

intro to slopes

<https://www.youtube.com/watch?v=MeU-KzdCBps> Introduction to slope

<iframe width="560" height="315" src="https://www.youtube.com/embed/MeU-KzdCBps" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=EQoNfxToez0> Positive and negative slope

<iframe width="560" height="315" src="https://www.youtube.com/embed/EQoNfxToez0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=R948Tsyq4vA> Finding the slope of a line from its graph

<iframe width="560" height="315" src="https://www.youtube.com/embed/R948Tsyq4vA" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=WkspBxrzuZo> Slope from two ordered pairs example 1

<iframe width="560" height="315" src="https://www.youtube.com/embed/WkspBxrzuZo" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=Iqws-qzyZwc> Slope and rate of change

<iframe width="560" height="315" src="https://www.youtube.com/embed/Iqws-qzyZwc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

horizontal/vertical line

<https://www.youtube.com/watch?v=CFSHq099Mx0>

<iframe width="560" height="315" src="https://www.youtube.com/embed/CFSHq099Mx0" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=J43CIbKpdWc>

<iframe width="560" height="315" src="https://www.youtube.com/embed/J43CIbKpdWc" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

slope intercept form

<https://www.youtube.com/watch?v=IL3UCuXrUzE> Slope-intercept form

<iframe width="560" height="315" src="https://www.youtube.com/embed/IL3UCuXrUzE" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=qgsNNqmlLoA> slope-intercept intro

<iframe width="560" height="315" src="https://www.youtube.com/embed/qgsNNqmlLoA" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=uk7gS3cZVp4> Graph from slope-intercept

<iframe width="560" height="315" src="https://www.youtube.com/embed/uk7gS3cZVp4" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=AqFwKecNaTk> equation line from slope and point

<iframe width="560" height="315" src="https://www.youtube.com/embed/AqFwKecNaTk" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=XMJ72mtMn4Y> equation of line from two points

<iframe width="560" height="315" src="https://www.youtube.com/embed/XMJ72mtMn4Y" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=5fkh01mClLU> y=mx+b examples

<iframe width="560" height="315" src="https://www.youtube.com/embed/5fkh01mClLU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

standard form

<https://www.youtube.com/watch?v=6CFE60iP2Ug> Standard form for linear equations

<iframe width="560" height="315" src="https://www.youtube.com/embed/6CFE60iP2Ug" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=86NwKBcOlow> Graphing solutions

<iframe width="560" height="315" src="https://www.youtube.com/embed/86NwKBcOlow" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=XOIhNVeLfWs> Converting to standard form

<iframe width="560" height="315" src="https://www.youtube.com/embed/XOIhNVeLfWs" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

slope from equation

<https://www.youtube.com/watch?v=G4r9PpYQiL8> Slope from equation

<iframe width="560" height="315" src="https://www.youtube.com/embed/G4r9PpYQiL8" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.youtube.com/watch?v=-6Fu2T_RSGM> Writing equations in all forms

<iframe width="560" height="315" src="https://www.youtube.com/embed/-6Fu2T\_RSGM" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

CIRCLES

<https://youtu.be/LDjMDIuTWtM> Graphing circles from features

<iframe width="790" height="444" src="https://www.youtube.com/embed/LDjMDIuTWtM" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/SLyM_-sQwMM> Features of a circle from its graph

<iframe width="790" height="444" src="https://www.youtube.com/embed/SLyM\_-sQwMM" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/JvDpYlyKkNU> Features of a circle from its standard equation

<iframe width="790" height="444" src="https://www.youtube.com/embed/JvDpYlyKkNU" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/thDrJvWNI8M> Graphing a circle from its standard equation

<iframe width="790" height="444" src="https://www.youtube.com/embed/thDrJvWNI8M" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/iX5UgArMyiI> Writing standard equation of circle

<iframe width="790" height="444" src="https://www.youtube.com/embed/iX5UgArMyiI" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/XyDMsotfJhE> Features of a circle from its expanded equation

<iframe width="790" height="444" src="https://www.youtube.com/embed/XyDMsotfJhE" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

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Special products

<https://youtu.be/JfuisfEdnjk> Special products of the form (x+a)(x-a)

<iframe width="797" height="448" src="https://www.youtube.com/embed/JfuisfEdnjk" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/h6HmHjkA034> Special products of the form (ax+b)(ax-b)

<iframe width="797" height="448" src="https://www.youtube.com/embed/h6HmHjkA034" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/xH_GllPuymc> Squaring binomials of the form (x+a)2

<iframe width="797" height="448" src="https://www.youtube.com/embed/xH\_GllPuymc" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/xjkbR7Gjgjs> Squaring binomials of the form (ax+b)2

<iframe width="797" height="448" src="https://www.youtube.com/embed/xjkbR7Gjgjs" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<https://youtu.be/v9Evg2tBdRk> Pascals triangle and binomial expansion

<iframe width="797" height="448" src="https://www.youtube.com/embed/v9Evg2tBdRk" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>