multiplying three binomials

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Multiplying Three Binomials - Mathematics Stack Exchange

Is there any known way to multiply three binomials using a method similar to the FOIL method? I have searched the internet and have not found any such method.

polynomials - Multiplying 3 or more binomials easily - Mathematics ...

Is there a way to expand three binomials in one go; i.e. without first expanding two of them, then multiplying by the last one. so expanding: $(x+2)(x+3)(x+1)$ without first having to expand to thi...

Multiplying Binomial Terms - Mathematics Stack Exchange

One mnemonic that might also help you recall how to multiply binomials (two terms in parentheses) is FOIL: First terms: x2 x 2; Outer terms: $-x - x$; Inner terms: 2x 2 x; Last terms: $-2 - 2$. The key fact to remember, as you do above, to *distribute$ each value of one term by multiplying it with each of the values of the second term (which can be generalized to non-binomial factors).

combinatorics - Multiplying three factorials with three binomials in ...

Multiplying three factorials with three binomials in polynomial identity Ask Question Asked 10 years, 8 months ago Modified 8 years, 7 months ago

abstract algebra - Why would I want to multiply two polynomials ...

In that case, multiplying the two polynomials represents another complicated operation that you need to express in terms of the two simpler ones (addition and multiplication).

Complex polynomial: multiplying conjugate root pairs in exponential ...

Is there a formula/shortcut/simpler way of multiplying out linear factors corresponding to conjugate pairs of roots while the roots are in exponential form? Otherwise my result is a large and seemingly messy number of terms that must continue to be multiplied out.

algebra precalculus - When are we permitted to multiply or

divide both ...

As it is said in the mathematics books (at least the one I have), we are not permitted to divide or multiply both sides of an equation by a variable, because it is possible to lose some answers. For

calculus - Derivative of product of three functions: product rule ...

Derivative of product of three functions: product rule Ask Question Asked 14 years, 4 months ago Modified 8 years, 7 months ago

algebra precalculus - When are we permitted to multiply or divide both ...

It has different roots as well. Does this imply that multiplying or dividing both sides of a quadratic equation by a constant changes its characteristics? If so, does it also imply that we should not multiply or divide both sides of a quadratic equation by a constant when we try to find its roots?

User Jeffrey Young - Mathematics Stack Exchange

Q&A for people studying math at any level and professionals in related fields