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multiplicity of a polynomial function is in standard form if its terms are written in descending order of exponents from left to right example $f(x) = 2x^3 + 5x^2 + 4x + 7$ leading coefficient constant and degree example determine whether the function is a polynomial function unit 5 polynomial functions flashcards quizlet term 1 55 what is a monomial click the card to flip definition 1 55 a number variable or a product of numbers and variables click the card to flip flashcards learn test match test review learn with flashcards games and more for free expand your answer should be a polynomial in standard form 3 h h 2 2 h 1 learn for free about math art computer programming economics physics chemistry biology medicine finance history and more khan academy is a nonprofit with the mission of providing a free world class education for anyone anywhere math algebra 2 unit 3 polynomial factorization 1 000 possible mastery points mastered proficient familiar attempted not started unit 5 polynomial functions algebra ii 5 weeks 3 connecticut state standards cc 9 12 n cn 8 extend polynomial identities to the complex numbers for example rewrite $x^2 + 4$ as $(x + 2i)(x - 2i)$ cc 9 12 n cn 9 know the fundamental theorem of algebra show that it is true for quadratic polynomials this unit contains the following topics operations with monomials exponent rules review classifying polynomials operations with polynomials add subtract multiply divide by monomial factoring polynomials includes gcd difference of squares sum of cubes difference of cubes trinomials four terms graphing

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numbers for example rewrite $x^2 - 4$ as $(x - 2)(x + 2)$ cc 9 12 n

cn 9 know the fundamental theorem of algebra show that

it is true for quadratic polynomials

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classifying polynomials operations with polynomials add

subtract multiply divide by monomial factoring

polynomials includes gcd difference of squares sum of

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