

Topic: Unit 8: Factoring and Quadratic Equation
Subject(s):

Days: 10
Grade(s):

Key Learning: How the factor form is the simplified form of Algebraic expressions which represents multiple and/or combined forms of real world situations.



Unit Essential Question(s):
How the factor (simplified) form demystified the algebraic expressions results of real world situations?

Concept:
Arithmetic manipulations of Monomials, Binomials, Trinomials and Polynomials

Concept:
Algebraic manipulations of Monomials, Binomials, Trinomials and Polynomials

Lesson Essential Question(s):
How do you know the factor form and the greatest common factor of an algebraic expression? (A)

How do you use the reverse of the distributive property of mathematics to factor an algebraic expression and solve for the variable? (A)

Lesson Essential Question(s):
How do you factor an algebraic expression of the form $ax^2 + bx + c$ (where $a=1$, b and c represents real numbers) and solve for the variable? (A)

How do you factor an algebraic expression of the form $ax^2 + bx + c$ (where a is not $= 0$ or 1 , b and c represents real numbers) and solve for the variable? (A)

How do you factor an algebraic expression that is represented as the difference of squares of two algebraic expressions and solve for the variable? (A)

How do you factor an algebraic expression that is represented as perfect squares trinomials and solve for the variable? (A)

Vocabulary:
factored form, greatest common factor, factoring by grouping, zero product property, quadratic equation, prime polynomials

Vocabulary:
difference of squares, perfect squares trinomials

Additional Information:
Sections 8.1 - 8.6 all

Attached Document(s):

Vocab Report for Topic: Unit 8: Factoring and Quadratic Equation

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Concept: Arithmetic manipulations of Monomials, Binomials, Trinomials and Polynomials

factored form, greatest common factor, factoring by grouping, zero product property, quadratic equation, prime polynomials -

Concept: Algebraic manipulations of Monomials, Binomials, Trinomials and Polynomials

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