

Grade 8 Algebra

Distance Learning Module 1: Week of: March 30

Content Area: Course Title - *Modified from* [Unit #F - Beyond Straight Lines](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Interpret parts of an expression, such as terms, factors, and coefficients. Use the structure of an expression to identify ways to rewrite it. Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.

Vocabulary: Binomial, Trinomial, Factoring Completely

Skills: Students will: Factor binomials and trinomials, including Difference of Squares and Perfect Square Trinomials

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Monday: Today you will be factoring by 1) factoring out the GCF 2) Factoring trinomials and 3) first factoring out the GCF and then continuing to factor.</p> <p>Just do enough of the practice work until you feel confident in your ability.</p>	<p>Instruction: Into to Factors and Divisibility Video Factoring with Distributive Property Video Factoring Quadratics as $(x+a)(x+b)$ Video</p> <p>Practice: GCF Factoring Introduction Practice Factoring Quadratics Intro Practice Factoring Quadratics with a Common Factor Practice Kuta Practice Some are easy and some need you to factor out the GCF first A review of Multiplying Monomials if you need it</p>	<p>Quadratics: Multiplying and Factoring Quiz 2 Check-In Get this check in in your math googleclass NOT HERE!!</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Tuesday: Factoring Quadratics by Grouping</p> <p>Just do enough of the practice work until you feel confident in your ability.</p>	<p>Instruction: Intro to Grouping Video Factoring Quadratics by Grouping Video Factoring Quadratics:Common Factor and Grouping Video Factoring Quadratics:Negative Common Factor and Grouping Video</p> <p>Practice: Factoring Quadratics Notes and Practice Practice Kuta Factor by Grouping Practice More Practice with Answers and Steps</p>	<p>Factor Quadratics by Grouping Check-In Get this check in in your math googleclass NOT HERE!!</p>
<p>Wednesday: Factoring Quadratics with Difference of Squares</p> <p>Just do enough of the practice work until you feel confident in your ability.</p>	<p>Instruction: Difference of Squares Intro Video Factoring Difference of Squares:Leading Coefficient not =1 Video Factoring Difference of Squares:Analyzing Factorization Video Factoring Difference of Squares:Shared Factors Video</p> <p>Practice: Factoring Difference of Squares Notes and Practice Kuta Practice (#1,2,5-11,13,17-21) More Practice</p>	<p>Difference of Squares Intro Check-In Difference of Squares Check-In</p> <p>Get this check in in your math googleclass NOT HERE!!</p>
<p>Thursday: Factoring Quadratics with Perfect Squares</p> <p>Just do enough of the practice work until you feel confident in your ability.</p>	<p>Instruction: Perfect Squares Factorization Intro Video Factoring Perfect Squares Video Identifying Perfect Square Form Video Factoring Perfect Squares:Negative Common Factor Video Factoring Perfect Squares:Missing Value</p>	<p>Check-in: go to google class for this assignment</p> <p><u>Quadratics: Multiplying and Factoring: Quiz 3</u></p> <p>Get this check in in your math googleclass</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	Video Factoring Perfect Squares:Shared Factors Video Practice: Factoring Perfect Square Trinomials Notes and Practice Perfect Squares Intro Practice Perfect Squares Practice Kuta (#3,4,12,14,15,16,22)	NOT HERE!!
Friday: Multiplying and Factoring Quadratics Unit Test Just do enough of the practice work until you feel confident in your ability.	Instruction: Strategy in Factoring Quadratics Part 1 Video Strategy in Factoring Quadratics Part 2 Video Practice: Mixed Review Quizizz Practice	Check-in: go to google class for this assignment <u>Quadratics:Multiplying and Factoring Unit Test</u> Get this check in in your math googleclass NOT HERE!!

Week criteria for success:

- 1) I can factor out the greatest common factor from a polynomial
- 2) I can factor binomials (difference of perfect squares)
- 3) I can factor trinomials, including perfect square trinomials

Supportive resources and tutorials for the week (plans for re-teaching):

[Mr. Potter's smartboard notes pdf](#) - PDF of classroom notes with examples, practice problems and answers

[Mrs. Gwiazda's Google Slides](#)

