

Grade 10 -12

Distance Learning Module 2 - Week of: April 6th through April 9th (4 days)

Mathematics: Algebra II level 3 - Modified from [Unit C - Quadratic Equations and Parabolas](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Students should learn the importance of the complex number system, and should be taught about the history of complex numbers not being all that different from the history of negative numbers.

Vocabulary: Complex Number, Imaginary Part, Imaginary Unit, Square Root

Skills: Simplifying Square Roots, Multiplication of Binomials, Combining Like Terms, Distributive Property, Squaring an Expression

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: What is a Complex Number	Khan Academy Video: Intro to Complex Numbers Khan Academy Notes: Complex Numbers Intro Notes/Check-In	Textbook: <i>Algebra 2 An Integrated Approach</i> Page 262, Questions 9 through 14
Tuesday: Adding and Subtracting Complex Numbers	YouTube Video: Adding and Subtracting Complex Numbers	Worksheet: Adding/Subtracting Complex Numbers
Wednesday: Multiplying Complex Numbers	Khan Academy Video: Multiplying Complex Numbers Khan Academy Notes: Multiplying Complex Numbers/Check - In	Khan Academy: Four Questions Multiplying Complex Numbers
Thursday: Mixed Review of Complex	Live Online Review Session	Worksheet: Mixed Review Practice

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Numbers		
Friday: NO SCHOOL		

Week criteria for success (attach student checklists or rubrics):

Students will be able to:

1. Simplify an expression of a square root of a negative number
2. Add and subtract complex numbers
3. Multiply complex numbers and simplify imaginary parts as required

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, Kuta Software worksheets, office hours, remediation material for Overview of Complex Numbers and Operations on Complex Numbers.