Grade 10-11
Distance Learning Module 2:   Week of: 4/6/20-4/9/20, 4 days

Mathematics: Algebra 2 Level 2 - *Modified from* [Unit 4 - Polynomial Functions](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials. Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defined by the polynomial.

Vocabulary: GCF, roots, synthetic division

Skills: Using synthetic division to determine complete factorization of a polynomial. Factoring by grouping, quadratic type, greatest common factor and student determination of factoring method.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Factoring by greatest common factor	slides # 20-21 khan video Factoring using GCF	Do and submit photo of work GCF Worksheet #'s 2-20 even
Tuesday: Factoring by grouping, difference of squares	slides # 22-23 video grouping khan video difference of squares	**grouping practice: Khan** difference of squares practice Khan
Wednesday: Factoring quadratic type	slides # 24 video quadratic type	Do and submit photo of work quad type examples
Thursday: Factoring Quadratic Type/mixed	slides # 20-24	do review worksheet, skip #'s 1-3

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
factoring		submit photo OF WORK SHOWN

Friday: No school/Good Friday

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

- Students will be able to factor by grouping
- Students will be able to factor using the quadratic type
- Students will find all the zeros

Supportive resources and tutorials for the week (plans for re-teaching): Teacher office hours, slides chapter 4 and associated links