

Course: Math III Fall 2014
Teacher: Laura Wilson
Week of: November 3rd, 2014

	Monday 9/11/2017	Tuesday 9/12/2017	Wednesday 9/13/2017	Thursday 9/14/2017	Friday 9/15/2017
Common Core Alignment	A-APR.1 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.	A-APR.1 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.	A-APR.2 Know and apply the Remainder Theorem: For a polynomial $p(x)$ and a number a , the remainder on division by $x - a$ is $p(a)$, so $p(a) = 0$ if and only if $(x - a)$ is a factor of $p(x)$.	A-APR.2 Know and apply the Remainder Theorem: For a polynomial $p(x)$ and a number a , the remainder on division by $x - a$ is $p(a)$, so $p(a) = 0$ if and only if $(x - a)$ is a factor of $p(x)$.	A-APR.2 Know and apply the Remainder Theorem: For a polynomial $p(x)$ and a number a , the remainder on division by $x - a$ is $p(a)$, so $p(a) = 0$ if and only if $(x - a)$ is a factor of $p(x)$.
Essential Question	How do we apply the rules of multiplication to create products of polynomials?	How do we use binomial expansion to expand binomial expressions that are raised to positive integer powers?	How do we use the process of long division to determine whether the given expression, $g(x)$, is a factor of $f(x)$?	How do we use the process of synthetic division to determine whether the given expression, $g(x)$, is a factor of $f(x)$?	How do we apply properties of polynomials to model and solve real-life scenarios?
Warm-up	Adding and Subtracting Polynomials , Identifying Degree, Leading Coefficient, Number of Terms and Naming Polynomials	Multiplying Polynomials	Quiz #9 Review - Adding, Subtracting and Multiplying Polynomials Click here to view	Spatial Reasoning/ Geometry and Polynomials Combination and Binomial Expansion Practice	Polynomial Division, Geometry Applications of Polynomials and Solving Quadratic Formula Click here to view
Class Activities	Discuss Solutions to Unit #5 Assignment #2 (Review the Rules of Exponents Worksheet) Notes: Section 5-2	**Late Arrival** Discuss: Solutions to Unit #5 Assignment #3 Homework	Assess: Quiz # 9 Notes: Continue Section 5-3 with Polynomial Division (Long	Discuss: Solutions to Unit #5 Assignment #4 Cooperative Learning: Station Work: Polynomial Division Unit	Discuss Solutions to Unit #5 Assignment #5 Word Problem Solving Practice: Review Unit #5 Assignment #1 Question #31

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	Multiplication of Polynomials	<p>Review Additional Example of Binomial Expansion using Pascal's Triangle</p>	and Synthetic) <p>Independent Practice: Unit #5 Assignment # 4 Pg. 426 #'s 2, 4,</p>	#5 Assignment #5	<p>from Page 410 and Unit #5 Assignment #3 Question# 26 from Page 418</p> <p>Cooperative Learning and Presentations Problem Solving - Unit #5 Assignment #6 Pg.339 # 62, Pg. 418 # 9, Pg. 426 # 12 & 29</p>
Homework	Unit #5 Assignment #3 Pg. 418 #'s 18-26 All and 30	No Homework	Unit #5 Assignment #4 Pg. 426 #'s 2, 4, 6, 19	No Homework	Finish Problem Solving Practice Problems and Review from today's class
Reminders	N/A	Progress Reports went home today - Get them Signed!	Quiz # 9 Today on Polynomial Addition, Subtraction and Multiplication	Quiz #10 on Monday - Polynomial Division, Pascal's Triangle and Geometry Word Problems	Quiz #10 on Monday Test #5 on Thursday

