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| **Name:** | **David Young** | | | **Subject:** | **Algebra II** | | | **Week of:** | **Nov. 11, 2013** | |
| **Lesson Plans** | | | | | | | | | | |
|  | | **Monday:** | **Tuesday:** | | | **Wednesday:** | **Thursday:** | | | **Friday:** |
| **Statement of**  **Objective(s)/**  **Think, Know,**  **Do(start with a verb)** | | Students will practice finding the zeros by factoring | Students will find the real roots of an equation to allow students to graph the equation | | | Students will find the real roots of an equation to allow students to graph the equation | Students will find the real roots of an equation to allow students to graph the equation | | | Students will be assessed on their understanding of finding roots |
| **Anticipatory**  **Set/Opening** | | Students will find the factors of the polynomials projected on the screen as a pop quiz. | An TI N’Spire file will be used to explore what changes in coefficients will affect the graph | | | **Writing:** Students will write how the coefficients “a”, “b”, and “c” change the appearance of the graph of a polynomial. | Students will use explore the Multiplicity of roots either with the Power point 6-7 or with the TI N’Spire file “Multiplicity of Zeros of Functions” to observe how multiplicity of roots affects the graph | | | Questions will be answered from previous assignments |
| **Learning**  **Activities** | | Students will continue practice with factoring using worksheet # 4 | Students will find the real roots of a polynomial by factoring and using technology.  Book Assignment:  Page 442; # 2 – 10, 15 – 23  (8, 9, 21, and 22 together) | | | Continued work with real roots.  Book Assignment:  Page 442; 11 – 14, 24, 26, 27, 29 and 32. | Students will practice finding multiple roots using the  worksheet 6.5 | | | Students will be given a formative assessed either on the navigator or with a paper copy |
| **Assessment of**  **Student**  **Understanding**  **/Closure** | | Teacher will circulate and monitor student work | Teacher will monitor student work. | | |  | Teacher will monitor student work | | | Answers will be shared when students have turned in their answers |