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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 |