Algebra 2 Chapter 5 Outline: Polynomials

5.1.1 (Functions): I can identify and name a polynomial by its degree and number of terms. I can identify the leading coefficient to determine its end behavior, and can use its degree to determine the number of turns.

Date Assigned:

Assignment: p. 285 # 13, 17, 19, 20, 22, 34, 36, 48, 50

5.2.1 (Algebra): I can factor a polynomial into its linear factors.

Date Assigned:

Assignment: p. 293 # 8, 10, 42, 65, 66

5.2.2 (Algebra): I can use a polynomial’s factors, or graph to find its zeros, and to determine each zero’s multiplicity.

Date Assigned:

Assignment: p. 293 # 16, 18, 28, 30, 34, 46, 54

5.2.3 (Algebra): I can use zeros to construct a polynomial in factored form and expand to standard form.

Date Assigned:

Assignment: p. 293 # 22, 26, 45
5.3.1 (Algebra): I can find solutions/ zeros of a polynomial using a variety of techniques such as factoring or graphing.

DateAssigned:

Assignment: p. 301 # 20, 26, 30, 34, 36, 47, 51, 66


5.4.1 (Algebra): I can divide polynomials (to help factor).

Date Assigned:

Assignment: p. 308 # 10, 14, 16, 20, 22, 30, 31, 46, 54, 60


5.6.1 (Algebra): I can identify the number of roots of a polynomial and find the roots using a variety of techniques.

Date Assigned:

Assignment: p. 323 # 26-29 (just give the number of roots), 30-36 evens


5.8.1 (Modeling): I can choose the best model to describe real life data and use the model to make predictions.

Date Assigned:

Assignment: p. 335 # 7, 16, 20, 24, 34