Pre-Calculus – Unit 2: Polynomial, Power, & Rational Functions

Date	Lesson/Objective	Homework
Friday, February 14	**2.1 and 2.2** *Objective: Students will be able to recognize and graph quadratic and power functions, and use these functions to model application problems*	**Homework 2.1 and 2.2**
Wednesday, February 19	**2.3** *Objective: Students will be able to graph polynomial functions, predict their end behavior, and find their real zeros using an algebraic method.*	**Homework 2.3**
Thursday, February 20	**2.4** *Objective: Students will be able to divide polynomials using long division or synthetic division; to apply the Rational Zeros Theorem*	**Homework 2.4**
Friday, February 21	**2.5 and 2.6 Quiz (2.1 – 2.3)** *Objective: Students will be able to find polynomials given the zeros of a function, both real and complex.*	**Homework 2.5 and 2.6**
Monday, February 24	**2.5 and 2.6** *Objective: Students will be able to find polynomials given the zeros of a function, both real and complex.*	**Finish Homework 2.5 and 2.6**
Tuesday, February 25	**2.9** *Objective: Students will be able to solve inequalities involving fractions using both algebraic and graphical techniques and identify extraneous solutions.*	**Homework 2.9**
Wednesday, February 26	**Unit 2 Review** *Objective: Students will develop mastery of Unit 2.*	**Finish Unit 2 Review Sheet**
Thursday, February 27	**Unit 2 Test** *Objective: Students will demonstrate mastery of Unit 2.*	**Work on Reference Book Chapter 2**

REFERENCE BOOK CHECKPOINT #1 – DUE DATE FRIDAY<u>, FEBRUARY 28TH</u>