Name: Date: Class: Team: Student #:

Math II Honors-Unit 2-Quadratic Functions Unit Calendar/Homework Sheet

Unit Focus: I will teach specific concepts on specific days, but students may move at their own pace on Khan Academy within this unit and can also work ahead.

Directions: Students use this sheet every day and get a stamp/signature when they complete the activity/assignment. This sheet is due on the day of the test. Each stamp/signature is worth 10 points and incomplete is worth 5 points. Complete a Khan Academy Show What You Know Answer Sheet for each task you complete in the boxes on the right. Khan Academy time commitment: No more than 1 hour.

Date Assigned	Activity/Assignment	Stamp/ Signature
Mon. 2/1	2.1 Transformations of Functions HW- Transformations of Functions Activity	
Tues. 2/2	2.1 Transformations of Functions/Project HW-Complete Project Essay Ques. 1-5	
Wed. 2/3	2.2 Transformations of Quadratic Functions/Project HW- Complete Project Essay Ques. 6-11	
Thurs. 2/4	2.2 Transformations of Quadratic Graphs HW- Watch Project Videos/Make Template	
Fri. 2/5	2.3 Review Multiplying Polynomials & Factoring GCF/Project HW-Create Tessellating Design	
Mon. 2/8	2.4 Factoring Quadratic Expressions. HW- Pages 1-2 Khan Academy Video Notes and Practice (at least 2)	
Tues. 2/9	2.5 Solving Quadratics by Factoring HW- Pages 3-4 #1-10	
Wed. 2/10	2.6 Characteristic Points of Quadratic Graphs & Solving by Graphing HW-Finalize Tessellating Design(color)	
Thur. 2/11	2.7 Writing Equations of Quadratic Functions HW- Page 5 Khan Academy Video Notes and Practice (at least 1)	
Fri. 2/12 Early Release	College Exploration Day HW-Type Final Copy of Essay/Complete Tessellating Design	
Mon. 2/15	2.8 Comparing Quadratic Models & Solving Word Problems HW-Project Due	
Tues. 2/16	2.9 Quadratic Formula & Discriminate HW-Pages 6 Khan Academy Video Notes and Practice (at least 1)	
Wed. 2/17	2.10 All Methods of Solving Quadratics HW- Page 7	
Thur. 2/18	Graphing Quadratic Inequalities HW-Page 8	
Fri. 2/19	Review HW-Complete Review and Study!!!	
Mon. 2/20	Quadratic Functions Test **Unit 2 HW Packet Due**	

Quadratic Functions Unit Playlist (REQUIRED):
Directions: Initial the date you complete each task below in order.
___ Multiplying Binomials by Binomials
___ Finding & Interpreting Key Features of Quadratics
___ Graphing Parabolas in standard form
___ Factoring Quadratics w/ leading Coefficient of 1
___ Factor Differences of Squares
___ Solve Factorable Quadratics (leading Coefficients other than 1)
___ Solve Quadratics using the Quadratic Formula

**Khan Academy Review Objective(s): These are foundation skills needed to be successful with current unit topics.
Directions: Check as you complete each task.**
___ Adding Negative Numbers
___ Subtracting Negative Numbers
___ Multiplying & Dividing Negative Numbers
___ Combining Like Terms with Negative Coefficients

February Tutoring Dates Thursday 2/4/16 & 2/18/16 2:30 to 3:30 pm
Total Points = _____ out of 100 points (based on effort)
Website: nyoungmath.weebly.com
Email: nyoung@wcpss.net
* Homework assignments may change.

My goal(s) this unit:	Khan Academy Energy Points:	Test Goal:

* Homework assignments are subject to change.

* Homework will be checked daily for effort.

MY PROGRESS:

Total Khan Academy Energy Points Earned this Unit: _____

Khan Academy Badges Earned this Unit: _____

_____

Summary: Describe the effect to F(x) for the following functions.

Equation	Effect on the graph of F(x)
Example: y=F(x + 18)	Translate F(x) to the left 18 units
1. y = F(x) − 100	
2. y = F(x - 48)	
3. y = F(x) + 32	
4. y = -F(x)	
5. y = F(x − 10)	
6. y = 3F(x)	