Honors Math 2 Unit 2: Geometric Transformations

Date	Day of Unit	Standard	Lesson	Students will be able to…	Assignments and Homework
Fri 2/17	1	NC.M2.F-IF.9 NC.M2.F-BF.1 NC.M2.F-BF- 3	FRED FUNCTIONS	Write a function that describes a relationship between two quantities by building quadratic functions with real solution(s) and inverse variation functions given a graph, a description of a relationship, or ordered pairs (include reading these from a table). Understand the effects of the graphical and tabular representations of a linear and quadratic function f with for specific values of k (both positive and negative).	Fred Function HW Packet pages 1 - 3
Mon 2/20	2	NC.M2.F-IF.1 NC.M2.F-IF.2	Functions: Domain and Range Finish Fred functions	Write the domain and range of graphs in interval notation.	Packet Page 4
Tues 2/21	3		Quiz on day 1 and 2		
Wed 2/22	4	NC.M2.G-CO.2	Geometric Transformations (Pre-Req. and Review) *Geometry Chapter 12*	Recall Math 1 knowledge of segments, lines, transversals and angles to solve algebraic problems.	Packet Page 5
Thurs 2/23	5	NC.M2.G-CO.4 NC.M2.G-CO.5	Reflections (Found in Geometry Chapter 12.1)	Graph, label, and describe a reflections of images and pre- images as well as state the algebraic rule. Students will also learn to identify isometries.	Packet Pages 6-7
Fri 2/24	6	NC.M2.G-CO.3 NC.M2.G-CO.4 NC.M2.G-CO.5	Translations (Found in Geometry Chapter 12.2)	Graph, label, and describe a translations of images and pre-images as well as state the algebraic rule. Students will learn to describe and find translations using vectors and vector sums.	Packet Pages 8-9
Mon 2/27	7	NC.M2.G-CO.3 NC.M2.G-CO.4 NC.M2.G-CO.5	Rotations (Found in Geometry Chapter 12.3) Enrichment: Pg. 688	Graph, label, and describe a rotations of images and pre-images as well as state the algebraic rule.	Packet Pages 10-11

Tues 2/28	8		**Quiz #2**	***ACT DAY***	
Wed 3/1	9	NC.M2.G-SRT.1a NC.M2.G-SRT.1b NC.M2.G-SRT.1c NC.M2.G-SRT.1d	Compositions of Reflections (Found in Geometry Chapter 12.4)	Use a composition of a reflection. Identify glide reflections.	Packet pages 12-14
Thurs 3/2	10	NC.M2.G-SRT.1a NC.M2.G-SRT.1b NC.M2.G-SRT.1c NC.M2.G-SRT.1d	Dilations (Found in Geometry Chapter 12.7)	Graph, label, describe, and locate a dilation of images and pre-images as well as state the algebraic rule.	Packet pages 15-17
Fri 3/3	11	All Standards	Review		
Mon 3/5	12	All Standards	**Test**		

Homework Grade: