

Honors Math 2 Unit 4: Modeling with Advanced Function Types

In this unit, students will . . .

- Graph a function and its translation. (F-BF.3)
- Identify how the graph of a function has changed from its parent function. (Honors: discuss the order of transformations given that multiples can occur in a function). (F-BF.3)
- Use function notation. (F-IF.2)
- Analyze a function and its graph based on its key features. (Honors: Range and asymptotes are discussed and change with translations) (F-IF.4)
- Solve simple rational equation (Honors: extend to rationals with linear and factorable quadratic terms) (A-REI.2)
- Solve radical equations (A-REI.2)
- Model situations using inverse variation (F-BF.1)
- Explain why a solution is extraneous and give examples of extraneous solutions (A-REI.2)
- Create equations and inequalities in one variable (A-CED.1)
- Use equations and inequalities to solve problems. (A-REI.2)
- Represent constraints by equations or inequalities. (A-CED.3)

****Throughout this unit, expect daily mini-quizzes on graphing****

Date	Day of Unit	Lesson	Assignment
Mon 10/31	**	Common Logs: Introduction, solving equations, word problem (Unit 3)	In Class handout to be turned in on Tuesday 11/1
Tues 11/1	1	Graphing Absolute Value	Packet p. 1-2
Wed 11/2	2	Graphing Square and Cube Roots	Packet p. 3-4
Thurs 11/3	3	Graphing Inverse Variation	Packet p. 5 odds
Fri 11/4	4	Graphing Piecewise Functions	Packet p. 6 (1-11) Packet p. 7
Mon 11/7	5	Graphing Piecewise Functions Continued	Packet p. 8-9
Tues 11/8	6	**2-hour delay** Quiz on Graphing	Packet p. 10
Wed 11/9	7	Piecewise Function Applications and Writing Equations of Piecewise Function	Packet p. 11
Thurs 11/10	8	Modeling Power Functions	Packet p. 12
Friday 11/11 is Veteran's Day - we have no school. Please thank a Veteran for their service.			
Mon 11/14	9	Modeling with Inverse Variations	Packet p. 13-15
Tues 11/15	10	Quiz on Modeling Solving Rational Equations	Packet p. 16
Wed 11/16	11	Solving Advanced Rational Equations	Packet p. 17 - 18
Thurs 11/17	12	Review	Packet p. 19 - 21 STUDY FOR YOUR TEST ☺
Fri 11/18	13	Test	Packet p. 22 - 23

Homework Grade:

