

Advanced Math	Monday 10/6/25	Tuesday 10/7/25	Wednesday 10/8/25	Thursday 10/9/25	Friday 10/10/25
State Standards Ohio Math Standards	F.IF.1, F.IF.7, F.BF.1b, F.BF.1.c	A.REI.10, A.REI.11, F.IF.1, F.IF.2, F.IF.5, F.IF.9, F.BF.3	F.IF.1, F.IF.7, F.BF.1b, F.BF.1.c	F.IF.1, F.IF.2, F.IF.7, F.BF.1, F.BF.3	F.BF.3, S.ID.6
Objective(s) Students will be able to:	form sum, difference, quotient, product and compositions of functions and find their domains and ranges.	add, subtract, multiply, divide, and compose functions.	define functions and relations parametrically and find inverses of functions and relations.	algebraically and graphically represent translations, reflections, stretches, and shrinks of functions and parametric relations.	algebraically and graphically represent translations, reflections, stretches, and shrinks of functions and parametric relations.
Activities	- Go over homework solutions to p. 107 & 108 using the blue solutions manual. - Start Sec. 1.4 notes p. 110-116 Building Functions from Functions. - Assign homework p. 116 & 117 #2-30 evens. - Have students begin homework and assist as needed. - Remind students of quiz on the 12 basic functions.	- Pass out the quiz on the 12 basic functions from the folder for students to complete. Grade as they complete. - Pass back quiz and go over. - Place additional notes & examples on the SMART Board for composite functions and Sec. 1.4. - Do guided practice with students using problems on pg.117. - Have students get out the Unit 1, Day 1 sheets from two weeks ago to finish for homework.	- Go over homework questions and solutions to Unit 1, Day 1 sheet. - Start Sec. 1.5 p. 119-125 Parametric Relations and Inverses. - Place notes and examples on the SMART Board. - Have students do guided practice. - Have students start working on p. 126 #1-12, 14-26 evens in class & monitor and assist as needed.	- Go over homework questions. - Review h, k shifts and stretches and shrinks from Alg. II. - Have students do the explorations on p. 129, 133, & 134. - Introduce Sec. 1.6 p. 129-136 on Graphical Transformations with discussion from the explorations. - Place notes & examples on the SMART Board. - Do guided practice orally with graphing calculators/Desmos.	- Continue with Sec. 1.6 Graphical Transformations. - Go over homework questions & solutions using the Blue Worked Out Solutions Manual. - Pass out the review worksheet for students to complete in class. - If they finish, they may work on other materials or read a book.
Resources/Materials	- SMART Board - Textbook - Graphing Calculator	- SMART Board - Graphing Calculator 12 basic functions quiz - Unit 1, Day 1 sheet	- Textbook - SMART Board - Graphing Calculator - Whiteboard	- Textbook - SMART Board - Graphing Calculator - Whiteboard	- Textbook - SMART Board - Graphing Calculator - Review Sheet
Assessments	- Homework - Direct Questioning - Guided Practice	- Direct Questioning - Homework - Guided Practice - Quiz	- Direct Questioning - Homework - Guided Practice	- Direct Questioning - Homework - Guided Practice	- Direct Questioning - Homework - Guided Practice
Homework	p. 116 & 117 #2-30 evens.	Unit 1, Day 1 Sheet.	Finish p. 126 #1-12, 14-26 evens.	p. 136 & 137 #3-48 mult. of 3.	Review Worksheet.