Fall '25 Advanced Algebra

Week 1

	SECTION	ASSIGNMENT
M 9/1		**NO SCHOOL**
T 9/2	P.1: Like Terms, Order of Operations and Solving Equations	Worksheet
W 9/3	P.2: Inequalities	Worksheet
R 9/4	P.3: Absolute Value	Worksheet
F 9/5	P.4 Day 1: Slope, Slope-Intercept and Graphing	Worksheet

Week 2

	SECTION	ASSIGNMENT
M 9/8	P.4 Day 2: Point-Slope, Standard, Parallel+Perp.	Worksheet
T 9/9	**Quiz P.1-P.4**	
W 9/10	P.5: Absolute Value Graphs	Worksheet
R 9/11	P.6: Solving Systems	Worksheet **Print P.7 Notes**
F 9/12	P.7 Day 1: Linear Inequalities	Worksheet

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Week 3

	SECTION	ASSIGNMENT
M 9/15	P.7 Day 2: Linear Programming	Worksheet
T 9/16	P.8: Systems with 3 Variables	Worksheet SKIP 6, 7, and set-up (don't solve) story problems
W 9/17	**Quiz P.5 - P.8**	
R 9/18	Review	Worksheet
F 9/19	**Prerequisite Test**	

Week 4

	SECTION	ASSIGNMENT
M 9/22	1.0: Relations and Functions	Worksheet
T 9/23	1.1: Quadratic-Standard Form	Worksheet
W 9/24	1.2 Day 1: Quadratic-Vertex Form	Pages 15-16: 5-12, 28-30, 33-35, 51, 52
R 9/25	1.2 Day 2: Quadratic-Intercept Form	Pages 15-16: 13-17, 22-27, 36-38, 53
F 9/26	1.3 & 1.4 (Day 1): Solve by Factoring	Worksheet (#1-12)

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Week 5

	SECTION	ASSIGNMENT
M 9/29	1.3 & 1.4 (Day 2): Solve by Factoring	Worksheet (#12-31)
T 9/30	**Quiz 1.0-1.4**	
W 10/1	1.5: Solving by Square Roots	Pages 35-36: 3, 4, 5, 19, 22-32, 38, 39
R 10/2	1.6: Operations with Complex Numbers	Pages 45-46: 4-32 evens, 56
F 10/3	1.7: Completing the Square	Pages 54-56: 14-32 evens, 35, 41-43, 62, 67

Week 6

	SECTION	ASSIGNMENT
M 10/6	2.1: Properties of Exponents	Worksheet
T 10/7	**Quiz 1.5-1.7** 1.8: Quadratic Formula + Discriminant	Worksheet
W 10/8	Review	Worksheet
R 10/9	**Chapter 1 Test**	
F 10/10	2.2: Evaluate and Graph Polynomials *End T1*	Pages 99-100: 1-4, 9, 10, 24-32, 42-50 evens

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Week 7

	SECTION	ASSIGNMENT
M 10/13	2.3: Add, Subtract, Multiply Polynomials	Pages 107-109: 4-24 evens, 36-48 evens, 59, 60
T 10/14	2.4: Factor Polynomials	Worksheet
W 10/15	**Quiz 2.1-2.4**	
R 10/16		**INSERVICE**
F 10/17		**NO SCHOOL**

Week 8

	SECTION	ASSIGNMENT
M 10/20	2.5 Day 1: Remainder/Factor Theorems *Ms. D gone*	Page 124: 4-10 even
T 10/21	2.5 Day 2	Pages 124-125: 13-17, 22-34 evens, 35-36
W 10/22	2.6: Find Rational Zeros	Worksheet
R 10/23	2.7 Day 1: Fundamental Theorem of Algebra	p.141 #3-6, 13-17, 50, 51
F 10/24	2.7 Day 2	Worksheet

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Week 9

	SECTION	ASSIGNMENT
M 10/27	3.0: Radical Operations	Worksheet
T 10/28	**Quiz 2.5-2.7**	
W 10/29	Review Day	Review Day
R 10/30	**Chapter 2 Test**	**Chapter 2 Test**
F 10/31	3.1: nth Roots and Rational Exponents	Page 169-170: 3-14, 25-37, 50-55, 60, 61

Week 10

	SECTION	ASSIGNMENT
M 11/3	3.2: Properties of Rational Exponents	Worksheet
T 11/4	**Quiz 3.0-3.2 (NO CALC)**	
W 11/5	3.5: Graphing Radicals	Page 201-202: 2, 8-10, 16-21, 26-28
R 11/6	3.3: Function Operations and Composition	Worksheet
F 11/7	3.4: Inverse Functions ***Ms. D gone***	Page 194-195: 3-6, 15, 16, 22, 23, 38, 40

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Week 11

	SECTION	ASSIGNMENT
M **11/10**	3.6: Radical Equations	Page 208-209: 4,8,12,16,20, 25-28, 35-49 odd
T **11/11**	**Quiz 3.3-3.6**	
W **11/12**	Review Day	
R **11/13**	**Chapter 3 Test**	
F **11/14**	4.1 and 4.2: Exponential Growth + Decay	Worksheet

Week 12

	SECTION	ASSIGNMENT
M **11/17**	4.3: Using e as a Function	Page 247: 4-24 evens, 39-45, 55, 57, 58
T **11/18**	4.4 Day 1: Log Equations as Inverses	Page 255: 3-23, 29-31, 58
W **11/19**	**Quiz 4.1-4.4 Day 1**	
R **11/20**	4.4 Day 2: Graphing Log	Worksheet
F **11/21**	4.5: Properties of Logs	Page 262: 3-8, 15-43 odd, 45-47

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Week 13

	SECTION	ASSIGNMENT
M 11/24	4.6 Day 1: Solve Exponential Equations *End T2*	Worksheet
T 11/25	4.6 Day 2: Solve Logarithmic Equations	Page 271: 24-30even, 34-43, 46
W 11/26		**NO SCHOOL**
R 11/27		**THANKSGIVING**
F 11/28		**NO SCHOOL**

Week 14

	SECTION	ASSIGNMENT
M 12/1		**INSERVICE**
T 12/2	**Extra Review Day** 5.1: Inverse/Direct and Joint Variations	Page 307-308: 4-30 evens, 31-34
W 12/3	**Quiz 4.4-4.6**	
R 12/4	Review	Worksheet
F 12/5	**Chapter 4 Test**	

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Week 15

	SECTION	ASSIGNMENT
M 12/8	5.2: Simple Rational Functions	Page 313-314: 3, 10, 12-22 evens, 23-26 ==Doing 5.1-5.2 lessons together; doing a new 5.1-5.2 Worksheet due to Thanksgiving Break==
T 12/9	5.3: Graphing Rational Functions	Worksheet
W 12/10	**Quiz 5.1-5.3**	Fractions Practice
R 12/11	5.4: Multiply and Divide Rational Expressions	Page 331-332: 7-17 odd, 21, 25-43 odd
F 12/12	5.5: Add and Subtract Rational Expressions	Page 340-341: 6-14, 16-24 evens, 26-28, 31-33

Week 16

	SECTION	ASSIGNMENT
M 12/15	5.6: Solving Rational Equations	Page 349-350: 5-25 odds, 28, 33, 35
T 12/16	Finish 5.6 and begin review	**See 5.6 above**
W 12/17	**Quiz 5.4-5.6**	
R 12/18	Review	
F 12/19	**Chapter 5 Test**	

WINTER BREAK (12/22-1/2)

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Week 17

	SECTION	ASSIGNMENT
M 1/5	9.1: Right Triangle Trig	Worksheet
T 1/6	9.2 Day 1: General Angles	Worksheet
W 1/7	Unit Circle Day 1	Worksheet
R 1/8	9.2 Day 2: Radians	Worksheet
F 1/9	Unit Circle Day 2 + 10.1 Day 1: Periodic Functions	Worksheet

Week 18

	SECTION	ASSIGNMENT
M 1/12	10.1 Day 2: Sine and Cosine Graphs	Worksheet **EXACT VALUE QUIZ**
T 1/13	10.1 Day 3: Tangent Graphs	Worksheet **EXACT VALUE QUIZ**
W 1/14	Review	**EXACT VALUE QUIZ**
R 1/15	**Chapter 9/10 Test**	** Work on Final Exam Review **
F 1/16	Exam Review	

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Week 19

	SECTION	ASSIGNMENT
M **1/19**		**NO SCHOOL**
T **1/20**	Exam Review	
W **1/21**	**Exam Pt. 1**	
R **1/22**	**Exam Pt. 2?**	
F **1/23**	**Exam Pt. 2?**	