

Day	Date		
M	19-Aug		Teacher work day
T	20-Aug	A/B	Get to know you/disclosure/What do you remember?
W	21-Aug	A	1-1: Review Functions/Relations, Linear Functions
Th	22-Aug	B	
F	23-Aug	A	1-2: Review Quadratic, and xfrms of quadratic
Sa	24-Aug		
Su	25-Aug		
M	26-Aug	B	
T	27-Aug	A	1-3: Review sqrt, abs value, and xfrms
W	28-Aug	B	
Th	29-Aug	A	Quiz 1-1 , 1-4: Review Cubed and Cubed Root Functions
F	30-Aug	B	
Sa	31-Aug		
Su	1-Sep		
M	2-Sep		LABOR DAY
T	3-Sep	A	1-5: Review Exponential Function
W	4-Sep	B	
Th	5-Sep	A	Quiz 1-2 , 1-6: Exponential Modeling (1st Radioactivity, 2nd: cooling, 3rd: money)
F	6-Sep	B	
Sa	7-Sep		
Su	8-Sep		
M	9-Sep	A	1-7: Analyzing Functions
T	10-Sep	B	
W	11-Sep	A	1-8: Unit 1 Pre-test Review
Th	12-Sep	B	
F	13-Sep	A	Unit 1 TEST
Sa	14-Sep		
Su	15-Sep		
M	16-Sep	B	
T	17-Sep	A	2-1: Greatest Common Factor, Factoring Polynomials, Factoring Quadratics (standard form to intercept form, lead coef = 1)
W	18-Sep	B	
Th	19-Sep	A	Quiz 2-1 , 2-2: Factoring Quadratics (lead coef not = 1, complex conjugates)

Late start

F	20-Sep	B		Midterm
Sa	21-Sep			
Su	22-Sep			
M	23-Sep		Professional Development	
T	24-Sep	A	2-3: Intercept Form Quadratic Equation, Quadratic Formula	
W	25-Sep	B		
Th	26-Sep	A	Quiz 2-2 , 2-4: Solve Quadratics by taking square roots, Vertex Form Quadratic, standard form quad (if no 'x' term) --> take sqrts.	
F	27-Sep	B		Early Out
Sa	28-Sep			
Su	29-Sep			
M	30-Sep	A	2-5: Fund. Thm. Alg., Complex & Irrational Conjugates Thms., zeroes and factors of polynomial, predicting end behavior of polynomials, graphing polynomials	
T	1-Oct	B		Late start
W	2-Oct	A	Quiz 2-3 , 2-6: Factor quadratic form, 3rd degree factor by grouping, and common factor of 'x'	
Th	3-Oct	B		
F	4-Oct	A	2-7: Factor sum and diff. of cubes, box division.	
Sa	5-Oct			
Su	6-Oct			
M	7-Oct	B		
T	8-Oct	A	2-8: Remainder, Factor Theorems: Long division and Synthetic Division	
W	9-Oct	B		
Th	10-Oct	A	Quiz 2-4 , 2-9: Unit 2 Review	
F	11-Oct	B		
Sa	12-Oct			
Su	13-Oct			
M	14-Oct	A	2-10: Unit 2 Review (A-day class only)	
T	15-Oct	B	Test Unit 2	
W	16-Oct	A		
Th	17-Oct		UEA	
F	18-Oct		UEA	
Sa	19-Oct			
Su	20-Oct			

M	21-Oct	B	3-1: Add and subtract,rational expressions, identify parts of the expression
T	22-Oct	A	
W	23-Oct	B	3-2: multiply and divide rational expressions
Th	24-Oct	A	
F	25-Oct	B	Quiz 3-1 , 3-3: Practice
Sa	26-Oct		
Su	27-Oct		
M	28-Oct	A	
T	29-Oct	B	3-4: The Reciprocal Function: transformations, range, domain, asymptotes
W	30-Oct	A	
Th	31-Oct	B	3-5: Holes in the Graph of the Reciprocal function
F	1-Nov		Professional Development
Sa	2-Nov		
Su	3-Nov		
M	4-Nov	A	
T	5-Nov	B	3-6: the oblique asymptote
W	6-Nov	A	
Th	7-Nov	B	Quiz 3-2 , 3-7: Solve rational equations (1 variable), show examples with extraneous solutions.
F	8-Nov	A	
Sa	9-Nov		
Su	10-Nov		
M	11-Nov	B	3-8: Applications of rational equations: (person 1 takes 8 hours for the job, person 2 takes 5 hours for the job, how long for both to do the job?), (chemical concentration problems: F.IF.4), (Virus infection: A.CED.3), (thin lens problem: A.CED.4)
T	12-Nov	A	
W	13-Nov	B	3-9: Review Unit 3
Th	14-Nov	A	
F	15-Nov	B	Test Unit 3
Sa	16-Nov		
Su	17-Nov		
M	18-Nov	A	
T	19-Nov	B	4-1: Linear Combinations of functions

End of 1st Term

Late start

W	20-Nov	A		
Th	21-Nov	B	4-2: Composition of functions	
F	22-Nov	A		
Sa	23-Nov			
Su	24-Nov			
M	25-Nov	B	Quiz 4-1, 4-3: Weak Area Review;	
T	26-Nov	A		
W	27-Nov		Comp Day	
Th	28-Nov		Thanksgiving Day	
F	29-Nov		Thanksgiving Break	
Sa	30-Nov			
Su	1-Dec			
M	2-Dec	B	4-4: Inverse functions (need to cover this now since understanding logs requires understanding it is the inverse of the exponential)	
T	3-Dec	A		Late start
i	4-Dec	B	4-5: Review Zeroes of Polynomials	Midterm
Th	5-Dec	A		
F	6-Dec	B	Quiz 4-2, 4-6: Review Single Variable Inequalities (and, or, abs value)	
Sa	7-Dec			
Su	8-Dec			
M	9-Dec	A		
T	10-Dec	B	4-7: Quadratic Inequalities	
W	11-Dec	A		
Th	12-Dec	B	Quiz 4-3, 4-8: Solving Polynomial and Rational Inequalities (+/- charts)	
F	13-Dec	A		
Sa	14-Dec			
Su	15-Dec			
M	16-Dec	B	4-9: Unit 4 Pre-Test Review	
T	17-Dec	A		
W	18-Dec	B	Test Unit 4	
Th	19-Dec	A		
F	20-Dec	B	Talent Show	Early Out
Sa	21-Dec		Winter Break	
Su	5-Jan		Winter Break	

M	6-Jan	A	5-1: Properties of Exponents	
T	7-Jan	B		Late start
W	8-Jan	A	5-2: Radicals and Rational Exponents	
Th	9-Jan	B		
Fri	10-Jan	A	Quiz 5-1 , 5-3: Review the Exponential function: graphs (growth/decay), parts of the equation (initial value, horiz asympt., intercepts, range/domain, transformations), compare rate of change to linear, square, cube, polynomial functions, estimate rate of change from graph, Identify parts of the expression	
Sa	11-Jan			
Su	12-Jan			
M	13-Jan	B		
T	14-Jan	A	Quiz 5-2 , 5-4: Logarithmic functions: graph, parts of the equation (initial value, horiz asympt., domain/range, intercepts, transformations), compare rate of change to cubed root and square root	
W	15-Jan	B		
Th	16-Jan	A/B	5-5: Properties of Logarithms: (sum of logs and power rule), relate to properties of exponents	End of 1st Semester
Fri	17-Jan		Professional Development	
Sa	18-Jan			
Su	19-Jan			
M	20-Jan		Human Rights Day (MLK)	
T	21-Jan	A	5-6: Properties of Logarithms: (log of a quotient), change of base rule, relate to properties of exponents	
W	22-Jan	B		
Th	23-Jan	A	Quiz 5-3 , 5-7: Solving log/exponential equations: using inverses, and by converting to opposite form (log--> exp, and exp--> log)	
Fri	24-Jan	B		
Sa	25-Jan			
Su	26-Jan			
M	27-Jan	A	5-8: Application problems for logs and exponentials (ph, sound, cooling, money).	
T	28-Jan	B		
W	29-Jan	A	5-9: Review Unit 5 and weak areas prior tests	
Th	30-Jan	B		

Fri	31-Jan	A	Test Unit 5
Sa	1-Feb		
Su	2-Feb		
M	3-Feb	B	
T	4-Feb	A	6-1: Activity to show that ratios are defined by and are properties of the angle. (domain: 0-90 degrees), change domain of angles to include 90-360 in order to apply right triangle trig relationships to the unit circle, extend domain to all real numbers using conterminal angles, review the 6 ratios, SOHCAHTOA
W	5-Feb	B	
Th	6-Feb	A	6-2: Exact trig ratios using "nice" angles on the unit circle. Learn simple 45-45-90 and 30-60-90 triangles
Fri	7-Feb	B	
Sa	8-Feb		
Su	9-Feb		
M	10-Feb	A	6-3: Trig Ratios of any angle, Radian measure, trig functions with angles in radians, arc length, sector area
T	11-Feb	B	
W	12-Feb	A	Quiz 6-1 , 6-4: Prove the Law of Sines and use to solve problems
Th	13-Feb	B	
Fri	14-Feb	A	6-5: Use Law of Sines to solve the ambiguous case
Sa	15-Feb		
Su	16-Feb		
M	17-Feb		President's Day
T	18-Feb	B	
W	19-Feb	A	Quiz 6-2 , 6-6: Prove the Law of cosines and use to Solve problems
Th	20-Feb	B	
Fri	21-Feb	A	6-7: graph and analyze sine, cosine, and transformations,
Sa	22-Feb		
Su	23-Feb		
M	24-Feb	B	
T	25-Feb	A	6-8 Sinusoids; modeling periodic behavior
W	26-Feb	B	
Th	27-Feb	A	Quiz 6-3 , 6-9: Derive the formula $A=1/2ab\sin(C)$ and use to find area of an oblique triangle., Review Unit 6
Fri	28-Feb	B	

Late start

Midterm

Sa	29-Feb		
Su	1-Mar		
M	2-Mar	A	Test Unit 6
T	3-Mar	A/B	State ACT test for Juniors
W	4-Mar	B	Test Unit 6
Th	5-Mar	A	7-1: Review of statistics: Measure of Center and Spread, the imperical rule.
Fri	6-Mar	B	
Sa	7-Mar		
Su	8-Mar		
M	9-Mar	A	7-2: Recognize the purpose and differences among sample surveys, experiments, and observational studies.
T	10-Mar	B	
W	11-Mar	A	Quiz 7-1 , 7-3: Statistical Study Types, Setting up an Experimental Study, How well the sample mean represents the population mean.
Th	12-Mar	B	
Fri	13-Mar	A	7-4: Previous Test Weak Areas (solve rat'l eq's, compose functions, add rat'l exp's,solve rational equations)
Sa	14-Mar		
Su	15-Mar		
M	16-Mar	B	
T	17-Mar	A	7-5: Solve Systems of equations algebraically
W	18-Mar	B	
Th	19-Mar	A	Quiz 7-2 , 7-6: Unit 7 Pretest Review
Fri	20-Mar	B	
Sa	21-Mar		
Su	22-Mar		
M	23-Mar		Professional Development
T	24-Mar	A	7-7: Prior Unit's weak areas review
W	25-Mar	B	
Th	26-Mar	A	TEST Unit 7
Fri	27-Mar	B	
Sa	28-Mar		
Su	29-Mar		
M	30-Mar		Spring Break

T	31-Mar		Spring Break
W	1-Apr		Spring Break
Th	2-Apr		Spring Break
Fri	3-Apr		Spring Break
Sa	4-Apr		
Su	5-Apr		
M	6-Apr	A	8-1: Density, solve for the quantity of interest.
T	7-Apr	B	
W	8-Apr	A	8-2: Represent Constraints by equations/inequalities, optimize an objective function (profit, cost, volume, surface area, etc) (using linear programming)
Th	9-Apr	B	
Fri	10-Apr	A	Quiz 8-1 , 8-3: Solve Nice 3rd Degree Polynomials, divide polynomials
Sa	11-Apr		
Su	12-Apr		
M	13-Apr	B	
T	14-Apr	A	8-4: Quadratic Formula
W	15-Apr	B	
Th	16-Apr	A	Quiz 8-2 , 8-5: Review Add, subtr, mult, divide rational expressions
Fri	17-Apr	B	
Sa	18-Apr		
Su	19-Apr		
M	20-Apr	A	8-6: Solve Rational Equations
T	21-Apr	B	
W	22-Apr	A	8-7: Arithmetic Sequence
Th	23-Apr	B	
Fri	24-Apr	A	Quiz 8-3 , 8-8: Geometric Sequence
Sa	25-Apr		
Su	26-Apr		
M	27-Apr	B	
T	28-Apr	A	8-9: Unit 8 Test Preview
W	29-Apr	B	
Th	30-Apr	A	Unit 8 Test
Fri	1-May	B	
Sa	2-May		

Late start

Su	3-May		
M	4-May	A	9-1: Matrix Arithmetic
T	5-May	B	
W	6-May	A	9-2: Matrix Equations
Th	7-May	B	
Fri	8-May	A	Quiz 9-1, 9-3: Gaussian Elimination
Sa	9-May		
Su	10-May		
M	11-May	B	
T	12-May	A	9-4: Practice Gaussian Elimination
W	13-May	B	
Th	14-May	A	Quiz 9-2, 9-5: Binomial Expansion
Fri	15-May	B	
Sa	16-May		
Su	17-May		
M	18-May	A	9-6: The Difference Quotient
T	19-May	B	
W	20-May	A	Quiz 9-3, 9-7: Areas
Th	21-May	B	
Fri	22-May	A	9-8: The Box Problem
Sa	23-May		
Su	24-May		
M	25-May		Memorial Day
T	26-May	B	8am Video of students, yearbooks, LUAU
W	27-May	A	E-O-Y #3: DESMOS lab
Th	28-May	B	Lagoon Day
Fri	29-May	A/B	End of school year (teacher checkout)

Late start
