

Lesson	Date	Day	Unit	Lesson Objective	Resource Materials - Texts, etc.	Homework and Daily Assignments	Graded Assessments, Applications & Computer Projects	REM
	8/23/18	Thu				None		1/2 day for Freshman
1	8/24/18	Fri	Intro	Introduce Freshmen	n/a	n/a		1st full day - class expectations, policies, receive texts
2	8/27/18	Mon		Introduce Students to Course	Teacher Overview + Study Text 7.1	Read/study Sec 7.1	Get Notebooks Prepared	2nd Day - all students - class expectations, policies, receive texts
3	8/28/18	Tue	Linear Algebra Basics	Basic Algebra review & Study 7.1 (solving 2 equations graphically)	Complete all 7.1 examples	Section 7.1 odd problems	Practice Boards	
4	8/29/18	Wed		Boards 7.1, Study 7.2 (solving 2 equations by substitution)	Complete all 7.2 examples	Section 7.2 odd problems	Practice Boards	
5	8/30/18	Thu		Boards Section 7.2, Review Greek letters and dimensional analysis	Provide dimensional analysis examples, start dimensional analysis work sheet	Complete Dimensional Analysis Worksheet	Practice Boards	
6	8/31/18	Fri		Review Dimensional Analysis, Review 4 HW problems Study Section 7.2	Study Text 7.2 (substitution), Complete all example problems	Quiz on Linear Eq (graphing solution), Odds in text section 7.2	Quiz on solving system of 2 eq and 2 unknowns graphically	
	9/3/18	Mon						Labor Day
7	9/4/18	Tue		Review Dimensional Analysis, Boards Section 7.2, Study Section 7.3 (solving 2 equations using linear combinations)	Study Text 7.3 Linear Combos - Elimination), Complete all example problems	Section 7.3 odd problems	Practice Boards / Notebooks Graded	
8	9/5/18	Wed		Boards text section 7-3, Begin study Matrix Algebra Basics (arrays)	Teacher instruction/references on arrays	Complete Basic Matrix Worksheet	Graded Boards	
9	9/6/18	Thu		Boards basic matrix operations, begin study of Gaussian Reduction	Teacher instruction/references on arrays	2 Problems (each problem is a system of 2 equations) to be solved using Gaussian reduction	Graded Boards	
10	9/7/18	Fri		Boards on Basic Matrix Operations Worksheet, Begin Gaussian Reduction	Teacher instruction/references on Gaussian Reduction or A Inverse Methods	Gaussian Reduction Problems Worksheet	Graded Boards	
11	9/10/18	Mon		Learn Graphing on Excel (1)	Teacher instruction/references on Excel	Computer Lab 1 (Basic Graphing and solving a basic system)	CL1	
12	9/11/18	Tue		Finish Gaussian Reduction Problems; Start A inverse method	Teacher instructions/references on Gaussian Reduction or A Inverse Methods	Gaussian Reduction Problems Worksheet		
13	9/12/18	Wed		GREEK QUIZ; Study the A inverse method	Teacher instructions/references on Gaussian Reduction or A Inverse Methods	Solve Gaussian Reduction Problems Worksheet using A <sup>-1</sup> method	Greek Quiz, and Gaussian Reduction Quiz	Delayed Start
14	9/13/18	Thu		Boards on Basic Matrix Operations Worksheet, A Inverse Method	Teacher instructions/references on Gaussian Reduction or A Inverse Methods	Complete Gaussian Worksheet but use A Inverse method... learn TI-84 if available		
15	9/14/18	Fri		Practice A Inverse method... Text Section 7.4/5 (applications and special types of linear systems)	Text Section 7.4 and 7.5	Odds 7, 9, 11 page 429		
16	9/17/18	Mon		Learn graphing on Excel (2)	Teacher instructions/references on Excel	Complete Computer Lab 1 and send to teacher electronically	Computer Lab 1	
17	9/18/18	Tue		Boards Sec 7.4/7.5. Study 7.6 Linear Inequalities	Text Sec 7.6	Prob 15-29 (odd), PAGE 436	Graded Boards	
18	9/19/18	Wed		Boards text section 7-6; Chapter 7 Review	All Chapter 7	NONE	Graded Boards	

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19	9/20/18	Thu		Chapter 7 Test (simultaneous linear equations)	Attached Test	Take-Home test (attached)	Chapter 7 Test (Part 1 - in class - show work; Part 2 -take home)	
20	9/21/18	Fri	Exponents and Exponential Functions	Study Text Section 8.1 (graphing solution areas for multiple inequality equations)	Page 450-452	Complete odds: 23-61 on page 453 and # 75 on page 454		
21	9/24/18	Mon		Mars Computer Lab (1)	Teacher resources and Mars Problem Statement	Computer Lab 2	Take-home Ch 7 test due at the beginning of class	
22	9/25/18	Tue		Boards for sec 8.1; Study Section 8.2 (zero and neg exponents)	Pages 456-459	Prob 14-59 (odds only) pages 459-460	Graded Boards	
23	9/26/18	Wed		Boards Sec 8.2; Study text section 8.3 (Division with exponents)	Pages 463-465	Prob 19-47 (odds) on page 466	Graded Boards	
24	9/27/18	Thu		Boards Text Section 8.2, Study Text Sec 8.3 Div Prop of Exponents)	Sec 8.3	Sec 8.3 - Worksheet Practice A (ALL Problems)	Graded Boards	
25	9/28/18	Fri		Boards Text Section 8.2, Study Text Sec 8.3 Div Prop of Exponents)	Sec 8.3	Sec 8.3 - Worksheet Practice B (ALL Problems)	Graded Boards	
26	10/1/18	Mon		Mars Computer Lab (2)	Teacher resources and Mars Problem Statement	Computer Lab 2		
27	10/2/18	Tue		Boards Text Section 8.3, Study Text Sec 8.4 (Scientific Notation)	Sec 8.4	Sec 8.4 - Worksheet Practice A (ALL Problems)	Graded Boards	
28	10/3/18	Wed		Boards Text Section 8.3, Study Text Sec 8.4 (Scientific Notation)	Sec 8.4	Sec 8.4 - Worksheet Practice B (ALL Problems)	Graded Boards	
29	10/4/18	Thu		Boards Text Section 8.4, Study Text Sec 8.5 (Exponential Growth)	Sec 8.5	Sec 8.5 - Worksheet Practice A (ALL Problems)	Graded Boards	
30	10/5/18	Fri		Boards Text Section 8.5, Study Text Sec 8.6 (Exponential Decay)	Sec 8.6	Sec 8.6 - Worksheet Practice A (ALL Problems)	Graded Boards	
31	10/8/18	Mon		Continue Mars Lab (3)	Teacher resources and Mars Problem Statement	Computer Lab 2		
32	10/9/18	Tue		Boards 8.5; Study text section 8.6	Study 8.6	Sec 8.6 Practice B (All Problems)	Graded Boards	
33	10/10/18	Wed		Review 8.6 HW Problems; Chapter 8-5 and 8-6 Quiz	End of Chapter 8 Review	Chapter 8 Review for Homework (odds)	Sec 8.6 and 8.6 Quiz	Delayed Start
34	10/11/18	Thu		Chapter 8 Test	Chapter 8 Test A	Study 9.1	Chapter 8 Test (in class) and Chapter 8 take-home test	
35	10/12/18	Fri	Solving quadratics by graphing	9.1	All problems Resource Worksheet 9.1 A			
36	10/15/18	Mon	Quadratic Lab - Patriots (1)	Teacher resources and Problem Statement	Computer Lab 3	Mars Computer Lab due		
37	10/16/18	Tue	Boards WS 9.1(A); Study simplifying radicals	9.1	All problems Resource Worksheet 9.2 A			
38	10/17/18	Wed	Study Text Sec 9-2 (simplify Radicals)	9.2	Worksheet 9.2 Prac B (all)	Graded Boards		
39	10/18/18	Thu	Boards WS 9.2 (all); Study 9.3 (graphing Quad Functions)	9.3	Worksheet 9.3 Prac A (all)	Graded Boards	End 1st Qtr	
	10/19/18	Fri					Flex Day	
	10/22/18	Mon					No School - new teacher follow-up	

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40	10/23/18	Tue	Quadratics	Boards WS 9.3 (all); Study 9.4 (Solving quad Eq by graphing)	9.4	Worksheet 9.5 Prac A (all), Use of TI 84 permitted.	Graded Boards	Start 2nd Qtr
41	10/24/18	Wed		Boards WS 9.4 (all); Study 9.5 (use quad formula)	9.5	Worksheet 9.5 Prac A (all), Use of TI 84 permitted.	Graded Boards	
42	10/25/18	Thu		Boards WS 9.5 (all); Study 9.6 (the discriminant)	9.6	Worksheet 9.5 Prac A (all), Use of TI 84 permitted.	Graded Boards	
43	10/26/18	Fri		Boards WS 9.6 (all); Study 9.7 (quadratic inequalities)	9.7	Worksheet 9.7 Prac A (all)	Graded Boards	
44	10/29/18	Mon		Patriots Lab (2)	Teacher resources and Problem Statement	Computer Lab 3		
45	10/30/18	Tue		Practice Quadratics and discriminants	Sec 9.5/9.6	Worksheet 9.6 B (ALL)		
46	10/31/18	Wed		Boards WS 9.6 (all); Study 9.7 (quadratic inequalities)	9.7	Worksheet 9.7 Prac A (all)	Graded Boards	
47	11/1/18	Thu		Boards WS 9.7; Study 9.8 (Types of models)	Text Sec 9.8	Worksheet 9.8 Prac B (ALL)	Graded Boards	
48	11/2/18	Fri		Chapter 9 Test	All - Chapter 9	Study Sec 10.1	In class Test with take home portion	
49	11/5/18	Mon	Patriots Lab (3)	Teacher resources and Problem Statement	Computer Lab 3			
50	11/6/18	Tue	Polynomials and Factoring	Study 10.1 Add/subtract polynomials	Sec 10.1	Sec 10.1 Worksheet Prac A (all)	Chapter 9 Take Home Test due at the beginning of class.	
51	11/7/18	Wed		Boards Sec 10.1; Study Sec 10.2 - Binomial Products	Sec 10.2	Sec 10.2 Worksheet Prac A (all)	Graded Boards	
52	11/8/18	Thu		Boards Sec 10.2; Study Sec 10.3 - Binomial Products (more)	Sec 10.3	Sec 10.3 Worksheet Prac A (all)	Graded Boards	
53	11/9/18	Fri		Boards Sec 10.3; Study Sec 10.4 - Binomial Products (more)	Sec 10.4	Sec 10.4 Worksheet Prac B (all)	Graded Boards	
54	11/12/18	Mon		Patriots over Israel (4)	Teacher resources and Problem Statement	Computer Lab 3		
55	11/13/18	Tue		Study Sec 10.4 - Binomial Products solving factored polynomials	Sec 10.4	Sec 10.4 Worksheet Prac B (all)	Graded Boards	
56	11/14/18	Wed		Boards Sec 10.4; Study Sec 10.5 - Factor simple trinomial (a=1)	Sec 10.5	Sec 10.5 Worksheet Prac A (all)	Graded Boards	Delayed Start
57	11/15/18	Thu		Boards 10.5; Study Sec 10.6 - Factor a trinomial (a > 1)	Sec 10.6	Sec 10.6 Worksheet Prac A (all)	Quiz 10.4 and Graded Boards	
58	11/16/18	Fri		Boards 10.6; Study Sec 10.7 - Factoring special products (perfect sq and diff of 2 squares)	Sec 10.7	Sec 10.7 Worksheet Prac a (ALL)	Graded Boards	
	11/19-23/18						No school - Thanksgiving Break	
59	11/26/18	Mon	Computer Lab 4 - Can Optimization Problem (1)	Teacher resources and Problem Statement	Numerical solution to a non-linear problem			

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60	11/27/18	Tue		REVIEW and(?) Boards 10.6; Study Sec 10.7 - Factoring special products (perfect sq and diff of 2 squares)	Sec 10.7	Sec 10.7 Worksheet Prac A (ALL)	Patriots over Israel due		
61	11/28/18	Wed		Boards Sec 10.7; Study Sec 10.8 - Factoring	Sec 10.8	Sec 10.8 Worksheet Prac A (ALL)	Graded Boards		
62	11/29/18	Thu		Boards Sec 10.8 - Chapter 10 Review	Text Page 634 - 635	Complete Chapter Review in Text			
63	11/30/18	Fri		Answer Chapter 10 Review Questions; Chapter 10 Test	Chapter 10 Test From Resource Book	Study text Sec 11.1	In Class Tests only. No take home test		
64	12/3/18	Mon		Computer Lab 4 - Can Optimization Problem (2)	Teacher resources and Problem Statement	Numerical solution to a non-linear problem			
65	12/4/18	Tue	Rational Equations and Functions	Study Chapter 11.1 - Ratio and proportion	Sec 11.1	Sec 11.1 Worksheet Prac A (All)			
66	12/5/18	Wed		Study Proportions, percents and decimals ; Boards 11.1 Homework	Sec 11.1 - 11.2	Worksheet 11.2 (Practice A) all problems	Graded Boards		
67	12/6/18	Thu		Boards Sec 11.2; Study Direct and inverse variation	Sec 11.3	Worksheet 11.3 (Practice A) all problems	Graded Boards		
68	12/7/18	Fri		Boards Sec 11.3; Study rational expressions	Sec 11.4	Worksheet 11.4 (Prac A) All problems	Graded Boards		
69	12/10/18	Mon			Computer Lab 4 - Can Optimization Problem (3)	Teacher resources and Problem Statement	Numerical solution to a non-linear problem		
70	12/11/18	Tue		Boards Section 11.4; Study Simplifying rational expressions	Text Sec 11-5	Worksheet 11.5 (odds only)	Graded Boards		
71	12/12/18	Wed		Boards WS 11-5; Study More rational expressions	Text Sec 11-6	Worksheet 11.6 (odds only)	Graded Boards	Delayed Start	
72	12/13/18	Thu		Boards WS 11-6; Study rational expression division	Text Sec 11-7	Worksheet 11.7 (odds only)	Graded Boards		
73	12/14/18	Fri	Boards WS 11-7; Study rational expression (fractions) simplification	Text Sec 11-8	Worksheet 11.8 (odds only)	Graded Boards			
74	12/17/18	Mon	Radicals and Some Geometry	Sec 12.1 (radicals)	Text Sec 12.1	Ch 12 Prereq Worksheet and Section 12. 1 Worksheet (all)	Can Optimization Lab 4 Due		
75	12/18/18	Tue		Sec 12.2 (more radicals)	Text Sec 12.2	Section 12. 2 Worksheet (all)	Graded Boards		
76	12/19/18	Wed		Study text Sec 12.3 (solving radical equations)	Text Sec 12.3	Section 12. 3 Worksheet (all)	Graded Boards		
77	12/20/18	Thu	Final Exam	End of Course Exam	All assigned sections				
	12/21/18	Fri						Flex Day - End 2nd Qtr	
	12/24/18-1/4/19							Christmas Break	
	1/7/19	Mon						PD - Teacher Work Day	