

Sequences, Probability and Statistics

DAY	SECTION	TOPIC	ASSIGNMENT
1	9.1	Terms of a Sequence	p664 #2 - 20 even , 23 - 28, 41 - 44
2	9.1	Sequences and Sigma Notation	p664 #45 - 48, 50- 59, 66, 68, 71,81- 85
3	9.2	Arithmetic Sequences	p 673 # 2- 8, 11, 14, 16, 20, 22, 26, 29, 32, 34, 35, 42, 55 - 58
4	9.2	Arithmetic Sequences	p673 #30, 39, 60, 61, 63 - 66, 69, 70, 82 - 84, 87
5	9.3	Geometric Sequences	p682 #2, 6, 7, 8, 18, 22, 24, 27, 28, 33, 37
6	9.3	Geometric Sequences	p682 #29, 34, 36, 38,50, 51, 55, 58, 59, 65, 81 - 83, 85
7		Teacher Choice	
8	9.5	The Binomial Thm	p702 #6, 7, 9, 12, 17, 18, 22, 23, 41, 42, 43,
9	9.5	The Binomial Thm	p702 # 8, 10, 26, 28, 44, 47, 51, 55, 56, 59, 66,
10	9.6	Counting Principles	p712 #6, 7, 10, 12, 17, 18, 22, 27, 28, 47, 48, 57
11	9.7	Probability	p724 # 1, 7 - 14, 21 - 28, 31, 32, 41
12	9.6 9.7	Counting Principles & Probability	p 713 # 4, 13, 24, 43 - 45, 55, 58 p 724 #15 - 20 30, 33, 42, 50
13		Teacher Choice	p747: #2, 4, 10, 12, 14, 16, 22, 24, 26, 30,32, 36, 38, 40, 42, 45, 48, 50, 52, 58, 60, 66, 68, 70, 72, 80, 82
14		Review	p747 1, 3, 9, 11, 13, 15, 21, 23, 25, 29, 31, 33, 35, 37, 39, 41, 43, 47, 49, 53, 57, 59, 65, 67, 69, 73, 75, 83, 86
15		Chapter 9 Test	

Functions and Their Graphs

DAY	SECTION	TOPIC	ASSIGNMENT
1	1.1	Functions	p92 #9, 10, 14, 15, 19, 20, 26, 30, 47, 48, 52 - 55
2	1.2	Graphs of Functions Interval Notation	p105 #1 - 14, 19 - 22, 29,31, 33, 39, 41
3	1.2	Graphs of Functions	p106 # 30, 32, 34, 37, 40, 44, 45, 46, 51 - 54
4	1.3	Shifting, Reflecting & Stretching Graph	p116 # 2, 6, 10, 13 - 24
5	1.3	Shifting, Reflecting & Stretching Graphs	p117 #25, 28, 29, 31, 32, , 41 - 44, 47
6		Teacher Choice	
7	1.4	Combination of Functions	p126 #5, 6, 7, 11, 14, 15,16, 20, 22, 35, 36, 39 - 41, 50, 52 ,
8	1.5	Inverse Functions	p139 #8, 10, 12, 13, 31, 34, 37, 38, 41, 44, 46, 49, 51
9	1.4 1.5	Combination & Inverse of Functions	p126 #8, 9, 13, 17, 19, 21, 37, 38, 43, 44, 53, 54 p139 #6, 9, 11, 32, 39, 48, 49, 52, 54
10	1.6	Linear Models & Scatter Plots	p148 #1 - 4, 6, 12 - 14,
11		Review	p152 #4, 6, 8, 9, 11, 13 - 18, 22,24, 28, 32, 37 - 40, 48, 49, 51, 58, 60, 62, 64, 65,
12		Chapter 1 Test	

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CHAPTER 2  
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Polynomial and Rational Functions

DAY	SECTION	TOPIC	ASSIGNMENT
1	2.1	Quadratic Functions	p165 #1 - 8, 11 - 14, 19, 20, 29 - 32, 41 - 43, 45, 46, 49, 54, 57, 58
2	2.2	Polynomial Functions of a Higher Degree	p178 # 9 - 53 EOO,
3	2.2	Polynomial Functions of a Higher Degree	p 178 # 18 - 54 EOE, 57 - 60 56, 57 - 60, 66, 70
4	2.3	Real Zeros of Polynomial Functions	p191 # 4, 5, 9, 16, 18, 23 - 33 odd 35, 36, 39
5	2.3	Real Zeros of Polynomial Functions	p192 # 40, 41 - 47 odd, 51 - 73 odd, 96
6	2.4	Complex Numbers	p202 #1 - 73 EOO, 91
7		Teacher Choice	
8	2.5	Fundamental Theorem of Algebra	p210 #1 - 49 EOO , 54
9	2.5	Fundamental Theorem of Algebra	p210 #3 - 51 EOO,
10	2.6	Rational Functions & Asymptotes	p218 #2 - 30 even
11	2.6	Rational Functions & Asymptotes	p219 #13 - 37 odd, 41, 46, 48
12	2.7	Graphs of Rational Functions Asymptotes	p227 #1 - 41 EOO 49, 52, 53
13	2.7	Graphs of Rational Functions Asymptotes	p227 #15 - 39 EOO 51, 54, 58, 61, 62, 74.
14		Review	p232 #1 - 73 EOO
15		Chapter 2 Test	

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CHAPTER 3  
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EXPONENTIAL & LOGARITHMIC FUNCTIONS

DAY	SECTION	DAY	TOPIC	ASSIGNMENT
1	3.1		Exponential & Logarithmic Equations	p247 #1 - 31 odd, 41, 43, 51 - 57 odd, 58
2	3.2		Logarithmic Functions & Their Graphs	p259 #1 - 49 odd, 52, 56, 82
3	3.3		Properties of Logarithms	p267 #1 - 57 EOO, 67 - 72, 105, 106
4	3.3		Properties of Logarithms	p267 #3, 7, 10, 13, 14, 20, 23, 33, 34, 43 - 59 odd, 72 - 78 even, 105 - 108
5			Teacher Choice	
6	3.4		Solving Exponential & Logarithmic Functions	p277 #1 - 45 odd
7	3.4		Solving Exponential & Logarithmic Functions	p278 #47, 48, 65 - 76, 81, 85
8			Teacher Choice	
9	3.5		Exponential & Logarithmic Models	p288 #16, 17, 33 - 35, 43, 45, 47, 49, 55
10			Review	p303 #1 - 6, 19, 21, 24, 31, 37 - 43, 47, 50, 51 - 63 odd, 75 - 89 odd
11			Chapter 3 Test	

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CHAPTER 4A  
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TRIGONOMETRIC FUNCTIONS

DAY	SECTION	TOPIC	ASSIGNMENT
1	4.1	Radian & Degree Measure	p318 #5 - 15, 23 - 41 odd, 47 - 54, 71, 72
2	4.1	Radian & Degree Measure: Arc Length & Area	p318 #56 - 70 even, 73 - 82, 98 - 100
3	4.1	Radian & Degree Measure: Problems of Application	p319 #87 - 92 Worksheet I
4	4.2	Trigonometric Functions: The Unit Circle	p328 #1, 4, 5, 7, 10, 13, 15 - 37 odd
5	4.2	Trigonometric Functions: The Unit Circle	p328 #16 - 32 even, 41, 43, 44, 47 - 56
6		Teacher Choice	
7	4.3	Right Triangle Trigonometry Trigonometric Identities	p338 #3, 4, 5, 9 - 12, 17, 18, 23 - 35 odd, 38, 40, 42
8	4.3	Right Triangle Trigonometry Trigonometric Identities	p339 #24 - 34 even, 44 - 56 even 67 - 69, 72
9		Teacher Choice	
10		Review	p401 #1 - 51 odd
11		Chapter 4A Test	

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TRIGONOMETRIC FUNCTIONS PART II

DAY	SECTION	TOPIC	ASSIGNMENT
1	4.4	Trigonometric Functions of Any Angle	p349 #3 - 6, 9 - 29 odd, 35, 39, 43, 44, 47, 54 - 60 even
2	4.4	Trigonometric Functions of Any Angle	p349 #45, 50, 51, 63 - 66, 71 - 80
3		Teacher Choice	
4	4.5	Graphs of Cosine & Sine Functions	p361 #1 - 15 odd, 31, 33, 43, 44
5	4.6	Graphs of Other Trigonometric Functions	p372 #9 - 23 odd
6	4.5 4.6	Graphs of Trigonometric Trigonometric Functions	p361 #8, 10, 12, 19, 20, 34 p372 #10, 14, 16, 20, 26
7	4.7	Inverse Trigonometric Functions	p384 #7 - 17, 23, 24
8	4.7	Inverse Trigonometric Functions	p384 #25, 26 27 - 48
9	4.8	Applications & Models	p394 #4 - 14, 19, 21, 23, 24
10		Teacher Choice	
11		Review	p401 #53 - 71 odd, 99, 100, 103 - 106
12		Chapter 4B Test	

ANALYTICAL TRIGONOMETRY

DAY	SECTION	TOPIC	ASSIGNMENT
1	5.1	Using Fundamental Identities	p414 #19 - 22, 26, 27, 46, 48, 50, 57, 58
2	5.3	Solving Trigonometric Equations	p431 #5, 8, 11 - 24
3	5.3	Solving Trigonometric Equations	p432 #25 - 40, 42, 46
4		Teacher Choice	
5	5.4	Sum & Difference Formulas	p440 #1, 2, 7 - 19 odd , 33, 34
6	5.4	Sum & Difference Formulas	p440 #10 - 20 even, 24, 37, 38, 43, 44
7	5.5	Multiple Angle Formulas Double-Angle	p451 #3, 4, 9 - 14, 23, 24
8	5.5	Multiple Angle Formulas Half-Angle	p451 # 6, 18, 19, 33, 34, 36, 39 - 46
9		Teacher Choice	
10		Review	p455 #1, 2, 3, 5, 31 - 35, 38, 39, 45 - 49
11		Chapter 5 Test	

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CHAPTER 10  
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TOPICS IN ANALYTICAL GEOMETRY

DAY	SECTION	TOPIC	ASSIGNMENT
1	10.1	Parabolas	p759 #10, 14, 16, 18, 22, 34, 38, 42, 47, 48, 49, 59,
2	10.2	Ellipses	p769 #8, 12, 16, 22, 26, 30, 37, 38, 39, 41, 55
3	10.3	Hyperbolas	p779 # 6, 10, 16, 21, 24, 27, 30, 32, 36
4	10.1 10.2 10.3	Parabolas, Ellipses Hyperbolas	p759 # 40, 41, 50 p769 #18, 29, 40, 56 p779 #22, 28, 31, 37
5		Teacher Choice	
6	10.4	Systems of Quadratic Equations	p790 #29 - 36 all , 41 - 53 odd
7	10.5	Parametric Equations	p797 # 1 - 23 , 35 - 41odd
8	10.5	Parametric Equations	p797 # 2 - 24. 36 - 421even
9	10.6	Polar Coordinates	p805 #1 - 53, 57 - 61 odd
10	10.6	Polar Coordinates	p805 #2 - 54, 58 -62 even,
11	10.7	Graphs of Polar Equations	p814 #13, 14, 17 - 37 odd
12	10.7	Graphs of Polar Equations	p814 # 18 - 40 even
13	10.7	Review	p825 #2 - 61 odd
14		Chapter 10 Test	

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LIMITS CHAPTER 1  
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LIMITS & THEIR PROPERTIES

DAY	SECTION	TOPIC	ASSIGNMENT
1		Limits of sequences	Worksheet I
2		Limits of sequences	Worksheet II
4	1.2	Finding Limits Graphically & Numerically	p53 #3 - 9, 11 - 20
5	1.3	Evaluating Limits Analytically	p64 #1, 6 - 32 even
6	1.3	Evaluating Limits Analytically - Cancellation, Rationalization Technique	p64 #19, 23, 37, 38 - 46 even
7	1.3	Evaluating Limits Limit Thm. 1.9	p64 # 57 - 66, 73, 74, 75
8		Teacher Choice	
9	1.4	Continuity and One-sided Limits	p76 # 5 - 12, 14, 21, 22
10	1.4	Continuity and One-sided Limits	p76 # 15, 23, 25, 27 - 32, 36, 38, 42, 43
11	1.5	Infinite Limits Limits	p84 # 1 - 6, 10, 12, 13, 14, 20, 23, 29, 30
12	1.5	Infinite Limits	p84 # 7, 9, 11, 17, 19, 21, 22, 25, 26, 27, 31, 32, 35, 37,
13		Teacher Choice	
14		Review	p87 # 3, 5, 7 - 14, 17, 23, 24, 26, 29, 35, 36, 38, 39, 42, 49 - 57, 58, 62, 64
15		Limits Test	

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DIFFERENTIATION CHAPTER 2  
ASSIGNMENTS

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DIFFERENTIATION

DAY	SECTION	TOPIC	ASSIGNMENT
1	2.1	Tangent Line Problem Derivative of a Function	p98 #1, 2, 9 - 17 odd, 18
2	2.1	Derivative of a Function	p99 # 6, 10, 14, 19, 20, 22, 23
3	2.1	Differentiation & Continuity	p100 # #45, 48, 51 - 61, 64, 65
4	2.2	Basic Differentiation Rules	p110 #3 - 12, 17 - 19, 23, 24
5	2.2	Basic Differentiation Rules	p110 #13 - 16, 21, 22, 27 - 30, 31, 32, 34, 35
6		Teacher Choice	
7	2.3	Product Rule	p121 # 1, 2, 3, 7 - 10, 19, 20, 52, 53
8	2.3	Quotient Rule	p121 # 4, 12 - 15, 21, 22, 51, 54
9	2.3	Derivatives of Trig. Functions	p110 # 13 - 16, 29, 30, 42, 50, 51
10		Derivatives of Trig. Functions	p121 # 5, 6, 27 - 41 odd, 69, 77, 79, 80
11	2.4	Chain Rule & Generalized Power Rule	Worksheet 2.4 - I
12	2.4	Chain Rule & Generalized Power Rule	Worksheet 2.4 - II
13		Teacher Choice	
14		Review	p150 #1 - 37 EOO, 44, 46, 48, 60, 67, p121 # 32, 36, 78
15		Chapter Test	

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DERIVATIVE APPLICATIONS  
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DAY	TOPIC	ASSIGNMENT
1	First Derivative Test	Worksheet I
2	First Derivative Test	Worksheet II
3	2nd Derivative Test	Worksheet III
4	2nd Derivative Test	Worksheet IV
5	Teacher Choice	
6	Maximum & Minimum Problems	Worksheet V Worksheet VI
7	Maximum & Minimum Problems	Worksheet VII
8	Maximum & Minimum Problems	Worksheet VIII
9	Newton's Approximation of Zeros	Worksheet IX
10	Teacher Choice	
11	Review	Review Worksheet
10	Chapter Test	

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CHAPTER 6  
ASSIGNMENTS

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DAY	TOPIC	ASSIGNMENT
1	6.3 Vectors in a Plane	p486 #1 - 10, all 11 -37 odd
2	6.3 Vectors in a Plane	p487 #39 - 47 odd, 49 - 52 all
3	6.4 Vector and Dot Products	p498 #1 - 19 , 25 - 33 odd
4	6.4 Vector and Dot Products	p498 #2 - 20 even 30, 32
5	Teacher Choice	
6	6.5 DeMoivre's Theorem	p509
7	6.5 DeMoivre's Theorem	p509
8	Review	
9	Chapter Test	

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CHAPTER 7  
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DAY	TOPIC	ASSIGNMENT
1	7.3 Systems of Equalities	p550
2	7.5 Systems of Inequalities	p569
3	7.6 Linear Programming	p579
4	7.6 Linear Programming	p579
5	Teacher Choice	
6	Review	
7	Chapter Test	

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CHAPTER 8  
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DAY	TOPIC	ASSIGNMENT
1	8.1 Matrices & Systems of Equations Gaussian Elimination	
2	8.2 Operations with Matrices	
3	8.2 Solving a System of equations	
4	8.3 The Inverse of a Square Matrix	
5	8.4 The Determinant of a Square Matrix	
6	Teacher's Choice	
7	Review	
8	Chapter Test	

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