

PRE-CALCULUS - College Algebra & College Trigonometry

FIRST SEMESTER

Class Week	Date	FIRST QUARTER	Topics	Quizzes	Class Work	Homework Due
1			Pre-Test: Part 1 & Part 2			
2	1		01 Functions and Their Graphs – Linear Equations		CW02	
3			- Functions – Zeros, Maximums, Minimums, y-Intercepts	Q1	CW03	HW02
4	2		- Average Rate of Change		CW04	HW03
5			- Operations	Q2	CW05	HW04
6	3		- Inverses		CW06	HW05
7			Review 01	Q3	CW07/HW07	HW06
8	4		02 Polynomials and Rational Functions – Quadratic Functions		CW08	CW07/HW07 THT01
9			- Quadratic Functions and Real Zeros of Polynomial Functions	Q4	CW09	HW08
10	5		- Complex Numbers		CW10	HW09
11			- Writing Polynomials Functions	Q5	CW11	HW10
12	6		- Finding All Zeros		CW12	HW11
13			- Rational Equations	Q6	CW13	HW12
14	7		- Dividing Polynomials		CW14	HW13
15			- Cubic Functions	Q7	CW15	HW14
16	8		Review 02		HW16	HW15
17			03 Exponential and Logarithmic Functions – Graphing Exponents	Q8	CW17	HW16 THT02
18	9		- Exponents not requiring Logs		CW18	HW17
19			- Exponents and Logarithms	Q9	CW19	HW18

SECOND QUARTER

20	10		- Properties of Logarithms		CW20	HW19
21			- Exponential Equations Using Logarithms	Q10	CW21	HW20
22	11		- Log Equations		CW22	HW21
23			Review 03A	Q11	CW23	HW22
24	12		Review 03B		CW24	HW23
25			04 Conics – Circles; graphing, properties and equations	Q12	CW25	HW24 THT03
26	13		- Circles; graphing, properties and equations Continued		CW26	HW25
27			- Parabolas; graphing, properties and equations	Q13	CW27	HW26
28	14		- Parabolas; graphing, properties and equations Continued		CW28	HW27
29			- Ellipses; graphing, properties and equations	Q14	CW29	HW28
30	15		- Ellipses; graphing, properties and equations Continued		CW30	HW29
31			- Hyperbolas; graphing, properties and equations	Q15	CW31	HW30
32	16		- Hyperbolas; graphing, properties and equations Continued		CW32	HW31
33			Review 04	Q16	CW33	HW32
34	17		Review – Semester 1 Exam A		CW34	HW33 THT04
35			Semester 1 Exam			HW34
36	18		05 Matrices – Operations		CW36	
37			- Operations Continued	Q18	CW37	HW36
38	19		- Determinants		CW38	HW37
39			- Inverses	Q19	CW39	HW38

SECOND SEMESTER

Class Week	Date	THIRD QUARTER	Topics	Quizzes	Class Work	Homework Due
40	20		- Cramer's Rule / Equations		CW40	HW39
41			- Multi-variable Linear Systems	Q20	CW41	HW40
42	21		Review 05		CW42	HW41
43			06 Sequence and Series - Arithmetic	Q21	CW43	HW42 THT05
44	22		- Geometric		CW44	HW43
45			- Arithmetic and Geometric Mean	Q22	CW45	HW44
46	23		Review 06A		HW46	HW45
47			Review 06B	Q23	HW47	HW46
48	24		07 Trigonometric Functions – Unit Circle, Trigonometric Functions, Right Triangles		CW48	HW47
49			- Unit Circle, Trigonometric Functions, Right Triangles	Q24	CW49	HW48
50	25		- Applications		CW50	HW49
51			- Applications	Q25	CW51	HW50
52	26		- Law of Sines		CW52	HW51
53			- Law of Sines	Q26	CW53	HW52
54	27		- Law of Cosines		CW54	HW53
55			- Law of Cosines	Q27	CW55	HW54
56	28		- Graphing Trigonometric Functions		CW56	HW55
57			- Graphing Trigonometric Functions	Q28	CW57	HW56

FOURTH QUARTER

58	29		- Trigonometric Identities		CW58	HW57
59			- Trigonometric Identities	Q29	CW59	HW58
60	30		Review 07A		HW60	HW59
61			Review 07B	Q30	HW61	HW60
62	31		08 Vectors - Basic		CW62	HW61 THT 06
63			- Diagrams	Q31	CW63	HW62
64	32		- Operations		CW64	HW63
65			- Dot Product	Q32	CW65	HW64
66	33		3-D Vectors - Points		CW66	HW65
67			- Basics	Q33	CW67	HW66
68	34		- Operations		CW68	HW67
69			- Cross Product	Q34	CW69	HW68
70	35		Review 08		CW70	HW69
71			Review – Semester 2 Exam	Q35	Semester 2 Review	HW70 THT07
72	36		Semester 2 Exam			Semester 2 Review
73			Review – Final Exam		Final Exam Review	
74	37		Final Exam Part 1			Final Exam Review
75			Final Exam Part 2			