

Math 1613 - Trigonometry
 Fall 2018 - Schedule
 updated November 16, 2018 at 10:18

Class	Day	Section	Title	HW Problems
1	2018.08.20	1.1	Angles	1, 3, 11, 13, 17, 21, 25, 31, 33, 39, 45, 53, 57, 61, 71, 83, 91, 95, 101, 113, 121
2	2018.08.22	1.2	Angle Relationships and Similar Triangles	1, 5, 11, 13, 15, 23, 29, 33, 35, 41, 47, 51, 55, 57, 61, 69
3	2018.08.24	1.3	Trigonometric Functions	1, 11, 17, 19, 25, 35, 43, 49, 53, 55, 61, 71, 75, 81, 85, 91
4	2018.08.27	1.4	Using the Definitions of Trigonometric Functions	1, 5, 11, 15, 19, 23, 29, 31, 41, 45, 55, 57, 61, 63, 69, 71, 77, 81, 85, 87, 91
5	2018.08.29	2.1	Trigonometric Functions of Acute Angles	1, 3, 5, 7, 9, 11, 15, 19, 21, 25, 29, 33, 37, 41, 45, 53, 61, 65, 71, 75, 77, 79
6	2018.08.31	2.2	Trigonometric Functions of Non-Acute Angles	1, 3, 5, 11, 15, 17, 19, 31, 35, 37, 41, 45, 47, 51, 53, 59, 61, 67, 71, 77, 81
7	2018.09.05	2.3	Approximations of Trigonometric Functions Values	5, 21, 31, 33, 35, 39, 41, 45, 49, 53, 63, 67
		2.4	Solutions and Applications of Right Triangles	1, 3, 5, 9, 11, 15, 17, 23, 31, 35, 41, 43, 47, 51
8	2018.09.07	2.5	Further Applications of Right Triangles	1, 4, 9, 12, 15, 21, 29, 38, 39
9	2018.09.10		Review for Chapters 1 and 2 Exam	
10	2018.09.12		Chapters 1 and 2 Exam	
11	2018.09.14	3.1	Radian Measure	3, 4, 6, 8, 13, 18, 23, 26, 33, 36, 41, 52, 56, 63, 77, 82, 83
12	2018.09.17	3.2	Applications of Radian Measure	1, 4, 7, 10, 11, 16, 19, 27, 31, 36, 39, 44, 58, 63
13	2018.09.19	3.3	The Unit Circle and Circular Functions	1, 4, 6, 7, 13, 22, 23, 28, 33, 34, 35, 40, 44, 50, 52, 54, 55, 61, 66, 69
14	2018.09.21	3.4	Linear and Angular Speed	1, 4, 9, 13, 19, 22, 24, 27, 28, 30, 32, 35, 39, 40
15	2018.09.24	4.1	Graphs of the Sine and Cosine Functions	1-8 all, 9-12 all, 14, 28, 23, 33, 37, 41-46 all
16	2018.09.26	4.2	Translations of the Graphs of the Sine and Cosine Functions	1-8 all, 9-12 all, 15-18 all, 21-24 all, 25, 30, 29, 44, 48, 51
17	2018.09.28		<i>more graphing from 4.1 and 4.2</i>	
18	2018.10.01	4.3	Graphs of the Tangent and Cotangent Functions	1-6 all, 7, 12, 17, 20, 23, 30, 33, 36
19	2018.10.03	4.4	Graphs of the Secant and Cosecant Functions	1-4 all, 5, 12, 17, 20, 24, 26, 31
20	2018.10.05		<i>more graphing from 4.1 through 4.4</i>	
21	2018.10.08		Review for Chapters 3 and 4 Exam	
22	2018.10.10		Chapters 3 and 4 Exam	

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Class	Day	Section	Title	HW Problems
23	2018.10.12	5.1	Fundamental Identities	1-6 all, 7, 12, 25, 30, 33-37 all, 38-42 all, 53, 60, 67
24	2018.10.15	5.2	Verifying Trigonometric Identities	1, 6, 12, 13, 19, 20, 23, 29, 30, 32, 33, 35, 40, 45, 51, 56, 64, 70, 78
25	2018.10.17	5.3	Sum and Difference Identities for Cosine	1-4 all, 5, 10, 15, 25, 27, 32, 39, 45, 46, 48, 51, 54, 55, 60, 63
26	2018.10.22	5.4	Sum and Difference Identities for Sine and Tangent	1-6 all, 7, 9, 14, 21, 30, 33, 38, 40, 41, 46, 51, 57, 60, 61, 66
27	2018.10.24	5.5	Double-Angle Identities	1-6 all, 7, 11, 15, 16, 20, 22, 24, 27, 29, 30, 37, 40, 45, 49, 54, 59, 61, 66
28	2018.10.26	5.6	Half-Angle Identities	1, 4, 5-10 all, 11, 15, 19, 22, 26, 29, 31, 32, 33, 41, 49, 50, 52, 56, 62
29	2018.10.29	6.1	Inverse Circular Functions	1-6 all, 13, 22, 29, 30, 39, 40, 46, 48, 52, 56, 58, 63
30	2018.10.31	6.2	Trigonometric Equations I	1, 5, 7, 11, 15, 19, 22, 27, 30, 37, 42, 45, 46, 50, 51, 52
31	2018.11.02	6.3	Trigonometric Equations II	1-6 all, 7, 16, 20, 23, 30, 35, 38
32	2018.11.05	6.4	Equations Involving Inverse Trigonometric Functions	1-4 all, 5, 12, 22, 25, 30, 33, 38, 41, 50, 52, 53
33	2018.11.07		Review for Chapters 5 and 6 Exam	
34	2018.11.09		Chapters 5 and 6 Exam	
35	2018.11.12		Chapters 5 and 6 Exam Discussion	
36	2018.11.14		Chapters 5 and 6 Exam Discussion	
37	2018.11.16	7.1	Oblique Triangles and the Law of Sines	1, 2, 3, 5, 9, 12, 16, 18, 21, 24, 25, 26, 29, 32, 37, 53
38	2018.11.26	7.2	The Ambiguous Case of the Law of Sines	1, 2, 3, 4, 5, 7, 11, 15, 20, 23, 26, 30, 35, 36, 39, 40
39	2018.11.28	7.3	The Law of Cosines	1, 4, 8, 9, 12, 14, 16, 20, 23, 26, 29, 30, 33, 35, 39, 40, 44, 45, 48, 50, 53
40	2018.11.30	7.4	Geometrically Defined Vectors and Applications	1-16 all, 17, 18, 20, 23, 29, 32, 33, 36, 40, 41, 44, 48, 50, 53, 56, 59, 66, 71, 78, 81, 87, 90
41	2018.12.03	7.5	Algebraically Defined Vectors and the Dot Product	1, 4, 7, 8, 10, 14, 17, 20, 23, 26, 31
42	2018.12.05	8.1	Complex Numbers	1-6 all, 7, 12, 16, 22, 24, 25, 33, 36, 37, 40, 47, 49, 54, 60, 61, 67, 74, 80, 81, 85, 92, 94, 95, 97