



Unit 7 (Chapters 13 & 14): Trigonometric Functions
This is a tentative schedule...it may change at any time

DAY	SECTION	TOPIC	PAGE	PROBLEMS
Tue 2/6	13.1	Use Trigonometry with Right Triangles		
Wed 2/7	13.1	Use Trigonometry with Right Triangles	856+	3, 7, 9 – 27 odd, 30-32
Thur 2/8	13.2	Define General Angles and Use Radian Measure	862+	3,6,7,9,14,15,17,18
Fri 2/9	13.2	Define General Angles and Use Radian Measure	862+	5,10,11,12,19,20,21,23,24, 25,27,28,29,33,35,51,52
Mon 2/12	13.3	Evaluate Trigonometric Functions of Any Angle	870+	3 – 15 odd
Tues 2/13	13.3	Evaluate Trigonometric Functions of Any Angle	870+	16 – 31 •Study for QUIZ
Wed 2/14		Review 13.1 – 13.3	865 880	1 – 12 1 – 8 •Study for QUIZ
Thurs 2/15		☞QUIZ: 13.1 – 13.3		
Fri 2/16		☞5 Min QUIZ: Exact Values Discovering Sine and Cosine Functions	WS	
Mon 2/19		MIDWINTER BREAK NO SCHOOL		
Tues 2/20		MIDWINTER BREAK NO SCHOOL		
Wed 2/21	14.1	Graph Sine, Cosine Functions: Amplitude and Period	912+	3 – 13
Thurs 2/22	14.1	Graph Tangent Function: Amplitude and Period	913+	14 – 25
Fri 2/23	14.2	Graph Sine and Cosine Functions: Phase Shift and Vertical Shift	919+	3 - 20
Mon 2/26	14.2	Graph Tangent Functions: Phase Shift and Vertical Shift	919+	36 - 46
Tues 2/27	14.2	Graph Sine, Cosine, and Tangent with all transformations	919+ 922+	22 - 33 1 - 13 •Study for QUIZ
Wed 2/28		☞QUIZ: 14.1 – 14.2		
Thur 3/1		Graph Secant, Cosecant, Cotangent Functions: Amplitude and Period	WS	
Fri 3/2		Graph Secant, Cosecant, Cotangent Functions: Phase Shift and Vertical Shift	WS	•Study for QUIZ
Mon 3/5		☞QUIZ: Secant/Cosecant/Cotangent		
Tues 3/6		Review 13.1 – 13.3, 14.1 – 14.2		•Study for TEST

Wed 3/7		Review 13.1 – 13.3, 14.1 – 14.2		•Study for TEST
Thur 3/8		⇒ UNIT 7 TEST 13.1 – 13.3, 14.1 – 14.2 Secant, Cosecant, Cotangent		

Unit 7 Learning Targets: Chapters 13 & 14 – Trigonometric Functions

I Can Statement Unit Seven	Section in Textbook	Post-Lesson
I can use trigonometric function to find lengths.	13.1	
I can evaluate the six trigonometric functions of an acute angle θ .	13.1	
I can solve a right triangle.	13.1	
I can use an angle of elevation or depression to solve a real world problem.	13.1	
I can draw angles in standard position	13.2	
I can find coterminal angles.	13.2	
I can convert from degrees to radians and radians to degrees.	13.2	
I know the special radian angles on the unit circle.	13.2	
I can evaluate the exact answer for the trigonometric function of any angle using the unit circle.	13.3	
I can use a point on the terminal side of an angle θ and evaluate all six trigonometric functions.	13.3	
I can use the unit circle to evaluate the six trigonometric functions of any special angle	13.3	
I can create the unit circle from memory.	13.3	
I can find reference angles for any angle given.	13.1	
I can graph the sine, cosine, and tangent functions.	14.1	
I can identify important features (amp, period, max, min, x-intercepts, and frequency) of sine, cosine, and tangent functions.	14.1	
I can translate and/or reflect the graphs of sine, cosines, and tangent functions.	14.2	
I can identify the horizontal and vertical shifts, amp, frequency, and period of a translated or reflected graph of sine, cosine, and tangent function.	14.2	
I can graph, translate and/or reflect the graphs of secant, cosecant, and cotangent functions	Extension	
I can identify the horizontal and vertical shifts, amplitude, frequency, and period of a translated and/or reflected graph of secant, cosecant, and cotangent functions	Extension	