

Honors Pre-Calculus Chapter 4 Assignments

Learning Goal: *I will be able to use the unit circle in both radians and degrees and be able to solve trigonometric problems.* ASSIGNMENTS MAY BE ADJUSTED AND ARE SUBJECT TO CHANGE

Date	Topic	Assignment
(WEEK ONE) Tues 1/8/2019	4.1 Angles and their Measures Exploration 1: Constructing 1 radian	Pg. 325 #18-32 even, 36 WS Mod 7 Inv 2 #5-7
Wed 1/9	4.1 Angles and their Measures	Pg. 326 #44A,47,54,56,72
Thurs 1/10	4.2 Trigonometric Functions of Acute Angles (right triangle trig)	Pg. 335 #8-18 even, 41-48 all
Fri 1/11	4.2 Trigonometric Functions of Acute Angles (right triangle trig)	Pg. 335-337 #50-58 even, 62,64,77
(WEEK TWO) Mon 1/14	4.3 Trigonometry Extended: The Circular Functions	Pg. 347 #4-16 even Memorize Unit Circle
Tues 1/15	4.3 The Unit Circle	Pg. 347-348 #26-48 even
Wed/Thurs 1/16-1/17	QUIZ 4.1-4.2 Spaghetti Sine and Cosine Graphs	Notes Section 4.4 Examples 1-2(1 st page)
Fri 1/18	4.4 Graphs of Sine and Cosine: Sinusoids (Amplitude and Period) DE OBSERVATION	Pg. 357 #2-28 even,36-48 even
(WEEK THREE) Mon 1/21	NO SCHOOL	
Tues 1/22	4.4 Graphs of Sine and Cosine: Sinusoids (Horizontal and Vertical Translations)	Pg. 358 #61-68 all & Graph ONE PER of $y = -3\cos(6x + \pi)$ label all critical points Begin review for test (see assignment below Pg. 399-400)
Wed/Thurs 1/23 – 1/24	Review for Test	Pg 399-400 #1-56 all , 61-66 all (review for test 4.1-4.4)
Fri 1/25	Test 4.1-4.4 (NON CALC)	
(WEEK FOUR) Mon 1/28	Test 4.1-4.4 (CALC)	
Tues 1/29	4.4 Graphs of Sine and Cosine: Sinusoids Applications (Given graph, write a function and Application worksheet)	Worksheet

Wed/Thurs 1/30 - 1/31	Applications of Sinusoidal Functions Tidal wave, Air Temp, Fox Pop, Shock felt	Worksheet
Fri 2/1	4.5 Graphs of Tangent, Cotangent, Secant, Cosecant	
(WEEK FIVE) Mon 2/4	4.5 Graphs of Tangent, Cotangent, Secant, Cosecant	
Tues 2/5	4.7 Inverse Trig Functions	
Wed/Thurs 2/6-2/7	Quiz 4.4-4.5 4.7 Inverse Trig Functions	
Fri 2/8	Review for Test	
(WEEK SIX) Mon 2/11	Review for Test	
Tues 2/12	Review for Test	
Wed/Thurs 2/13-2/14	Test 4.4-4.8	