Precalculus Assignments Chapter 4.4 - 4.6

See all state frameworks online at: https://bit.ly/2bmrqQx

Day 1	Section 4.4 Objectives: *Students will* evaluate trigonometric functions for any angle, use reference angles to evaluate trigonometric functions, and evaluate trigonometric functions of real numbers. - Section 4.4 "Trigonometry Functions of Any Angle" Textbook Assignment: Page 294 Vocabulary Check #s: 1-8. Exercise #s: 9a, 9b, 11a, 11b, 13, 15, 19-22, 23-31 odd, 24, 33, 35, 39-41 47-53 odd, 55-63 odd, 69-73 odd, 79, 81, 85, 89, 91a,b, 93a,b, 95b, and 97. (Odd Solutions: http://bit.ly/2OoZGID) (Instructional Videos: http://bit.ly/2OYx1eT)
Day 2	- **Quiz Section 4.4 (Calculator Part and <u>NO</u> Calculator Part)**
Day 3	Section 4.5 Objectives: *Students will* sketch the graphs of basic sine and cosine functions, use amplitude and period to help sketch the graphs of sine and cosine functions, and use the sine and cosine functions to model real-life data. - Section 4.5 "Graphs of Sine and Cosine Functions" Textbook Assignment: - Page 304-307 Vocabulary Check #s: 1-4. Exercise #s: 5-9 odd, 13-19 odd, 21-24, 25-29 odd, 31, 35, 41, 47, 49, 55, 59, 65-71 odd, 75-77 odd. (Odd Solutions: http://bit.ly/2nqj0tR) (Instructional Videos: http://bit.ly/2vXGD0K)
Day 4	- Worksheet: Equations of Trig Graphs (check solutions at: http://bit.ly/1GxrP4D) - Review Section 4.5 Worksheet (check solutions at: http://bit.ly/1fxaFOO)
Day 5	- **Quiz 4.5 (<u>NO</u> Calculator)** Section 4.6 Objectives: Students will sketch the graphs of the other four basic trigonometric functions. - Section 4.6 Graphs of Other Trigonometric Functions Handout. (check solutions at: http://bit.ly/2w3zeLm) - Complete Chart on graphs of the six trigonometric function: Graphs of the basic trig functions will be done using the graphing calculator and sketching each function by hand without using a calculator. Each graph done without a calculator must include accurate points for all maximums, minimums, x-intercepts, y-intercepts, and accurate vertical asymptotes. The graphs must be drawn from -2π to 2π . Fill out the handout chart that covers the sketches of all six trig functions, domain, range, is it even or odd, what's the period, what's its type of symmetry,, and is it continuous? (Check solutions at: http://bit.ly/2j0gZFh) - Review of Sections 4.4-4.6 Worksheet. (check solutions at: http://bit.ly/1HvyO4C)
Day 6	- **Quiz 4.6 (<u>NO</u> Calculator)** -go over Review worksheet and answer any questions
Day 7	- **Test over sections 4.4-4.6 (Calculator Part and <u>NO</u> Calculator Part)**

F.7.PC.6	Analyze and interpret trigonometric functions numerically, graphically, and algebraically, identifying key characteristics such as period, midline, domain and range, amplitude, phase shift, and asymptotes	Not Applicable

View all of the Precalculus Standards at: http://bit.ly/1T1s6pe