|  |
| --- |
| **UNIT INSTRUCTIONAL OBJECTIVES, *Chapter 4, Section 1, Angles and Their Measures*, Pages 312 – 317, 322 – 327, 381 – 383.**  **Students will understand and apply the following concepts:**   * Angular measure in degrees, minutes, seconds * Conversion of angles in degrees, minutes, seconds to decimal degrees * Conversion of angles in decimal degrees to degrees, minutes, seconds * Definition of radian measure * Conversion of radians to degrees * Conversion of degrees to radians * Use of the TI-83/84 to do the above conversions * Computation of arc length (radian measure) * Computation of arc length (degree measure). * Use of the unit circle to understand the association between radians and degrees * Computation of area of a sector * Definitions of the 6 trigonometric functions using right triangle trigonometry. * Trigonometric Values for the Special Angles of 30o, 60o, and 45o. * Applications of right triangle trigonometry. * Definitions of the 6 trigonometric functions using unit circle trigonometry.   **Technology:** Graphing calculator (TI-84) |
| **TUESDAY (9.3.24)**  Any questions about the previously assigned work?   * Page 328, #19 – 47 odd, 57 * Page 329, #61   **Class Work:** Pages 329, 330 (#62, 64, 65).  **Homework:**   * Study for a **QUIZ (Filling in the radians/degrees on a blank unit circle)** to be taken during your next class period. * Read and take notes on pages 381 – 383, ending with example 3. * Pages 386, 387, **Exercises** (#1 – 3, 5, 7, 9, 10).   **THURSDAY (9.5.24)**  **QUIZ (Filling in the radians/degrees on a blank unit circle).**  Any questions about the previously assigned work? Pages 386, 387 (#1 – 3, 5, 7, 9, 10).  **Class Work/Homework:**   * Page 387 (#8, 11, 13, 15). * Study the Trigonometric Values of the Special Angles.   **FRIDAY (9.6.24) A-DAY, No Class**  9.1 - Algebra II |

