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| **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 |

