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| **UNIT INSTRUCTIONAL OBJECTIVES, *Chapter 4, Section 1, Angles and Their Measures*, Pages 312 – 317, 322 – 327.** **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 (8.27.24*** **Test**: Radians, Degrees, Arc Length, Area of a Sector, Conversions

You may use your notes written on one page of paper (8.5 by 11 inches). * Class Work/Homework:

**Read and take notes on pages 322 – 327.***Quick Review*, 4.2, page 327, #1 – 10.*Exercises*, page 328, #1 – 7, odd.Trigonometric Review 1.6. Unit Circle The six trigonometric functions of a  right triangle, with an acute angle , are defined by ratios of two sides.  - ppt download**THURSDAY (8.29.24)*** Discuss the previously assigned problems.
* **Class Work/Homework:** Page 328, #9 – 17 odd, 49, 51, 53, 55.

**FRIDAY (8.30.24)** * Discuss the previously assigned problems.

9.1 - Algebra II* **Class Work/Homework:**
* Page 328, #19 – 47 odd, 57
* Page 329, #61
* Practice filling out the degrees/radians on a blank unit circle.
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