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| **UNIT INSTRUCTIONAL OBJECTIVES, *Chapter 4, Section 1, Angles and Their Measures*, Pages 312 – 317. (Note: It will take several class periods to cover all these concepts. Initially, we will talk about the highlighted concepts.)****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
* Definitions of the 6 trigonometric functions using unit circle trigonometry

**Technology:** Graphing calculator (TI-84) |
| **TUESDAY (8.13.24)****CLASS WORK*** Turn in your signed and dated *Classroom/Group Procedures Agreement*.
* Take the Precalculus Honors **Pretest**.

**HOMEWORK*** ***Quick Review* 4.1 on page 318 (#1-5, 7, 9)**
* Read and take notes on pages 312 – 317.

**THURSDAY (8.15.24)****CLASS WORK*** Discuss the homework assigned on Tuesday.
1. Textbook problems
2. Pages 312 – 317.

**HOMEWORK*** Page 318. ***Exercises***, (#1 – 31 odd).

**FRIDAY (8.16.24)****CLASS WORK:*** Discuss the homework assigned on Thursday.

**HOMEWORK:*** ***Exercises:*** #35, 36, 43, 45 on pages 318 and 319.
* ***Exercises:*** Page 321: #72 a, 72b. Use the formula given in #71.
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