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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) |
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