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| **INSTRUCTIONAL OBJECTIVES, Chapter 4, Section 3**  **Trigonometry Extended: The Circular Functions (Pages 331 – 339)**   * Use the unit circle (with a radius of 1 unit and a center at the origin) and any other circle of radius, r, to evaluate the 6 trigonometric functions for an angle when given a point on its terminal side. * Use circular trigonometry to find the six trigonometric functions of an angle θ for which you know a point on the terminal side of angle θ. * Understand that extending trigonometric functions beyond right triangle ratios of acute angles more aptly applies to real world situations where angular measures can be any number, either positive or negative.   Technology: Smart Board, graphing calculator (TI-83 or TI-84)  **Technology:** Graphing calculator (TI-83 or TI-84) |
| **Note: The textbook problems highlighted in gray should be done without using your calculator. However, you may use your unit circle.**  **TUESDAY (10.8.24)**  **Discuss the previously assigned homework/classwork:**   * Page 340 (#25 – 42). * Page 341 (#43, 45, 47). * Page 341 (#44, 46, 48). * Circular Trig Review (15 problems).   **Homework:** Page 341 (#49 – 53, 55, 56).  **THURSDAY (10.10.24)**  **Discuss the previously assigned homework:** Page 341 (#49 – 53, 55, 56).  **Class Work/Homework:** Pages 341 (#57 – 62).  **FRIDAY (10.11.24)**  **Discuss the previously assigned class work/homework:** Pages 341 (#57 – 62).  **Class Work:** Practice filling out the degrees/radians and ordered pairs on a unit circle.  **Homework:** Circular Trig Practice (10 problems)\_Handout |