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| |  | | --- | | **OBJECTIVES (Fundamental Identities, Section 5.1, Pages 396 – 405)** | | • Learn about the Reciprocal Identities, the Quotient Identities, the Pythagorean Identities, the Cofunction Identities, and the Odd-Even Identities. | | • Simplify Trigonometric Expressions. | | • Solve Trigonometric Equations. | | • Prove Trigonometric Identities. |   **TUESDAY (1.14.25)**   * **Arc to Area Project:** If you were absent last week, please turn in the *Arc to* *Area Project* by the beginning of class on Thursday. * **Discuss** Example 1, *Using Identities*, on pages 398 and 399. * **Discuss the previously assigned work** on page 403, ***Exercises***, #1, 3. * **Read and discuss** the ***Cofunction Identities,*** the ***Odd-Even Identities***, and ***Simplifying Trig Expressions*** on pages 399 – 401. * **Class Work/Homework:** Page 403, ***Exercises***, #2, 4, 5 – 15 odd.   **THURSDAY (1.16.25)**   * **Discuss the previously assigned work on** Page 403, ***Exercises***, #2, 4, 5 – 15 odd. * **Class Work/Homework:** Page 403, ***Exercises,*** #6 – 16, even.   **FRIDAY (1.17.25 A-DAY, NO CLASS**  **TUESDAY (1.21.25)**   |  | | --- | | * **ENTRY WORK:** | | 1)Simplify: **sec2θ – 1**  **sec2θ.**  2) *Simplify* ***csc2θ – cot2θ.*** | |

* **Discuss the previously assigned work** on page 403, ***Exercises,*** #6 – 16, even.
* **Class Work/Homework:** Pages 403 and 404: #17 – 31, odd.