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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)**

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| * **ENTRY WORK:**
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| 1)Simplify: **sec2θ – 1**  **sec2θ.**2) *Simplify* ***csc2θ – cot2θ.*** |

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