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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 (1.21.25)**

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

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* **Discuss the previously assigned work** on page 403, ***Exercises,*** #5, 7, 11 and #6 – 16, even.
* **Class Work/Homework:** Pages 403 and 404: #17 – 31, odd.

**THURSDAY (1.23.25)**

* **Discuss the previously assigned work** on pages 403 and 404: #17 – 31, odd.
* **Class Work/Homework:**
* Read and take notes on page 401, starting with *Solving Trigonometric Equations,* to page 403.
* Pages 404, 405: 51, 53, 55, 87.