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| **U UNIT INSTRUCTIONAL OBJECTIVES (**Pages 322 – 327, andpages 381 – 383, ending with Example 4)Students will understand and apply the following concepts:* Definitions of the 6 trigonometric functions using right triangle trigonometry.
* Evaluation of the 6 trigonometric functions with a calculator.
* Evaluation of the 6 trigonometric functions of the special angles (30o, 60o, 45o).
* Application of right triangle trigonometry to actual situations.
* The significance *of angle of depression* and *angle of elevation*.
* The relationship between the pairs of trigonometric cofunctions.

**Technology:** Graphing calculator (TI-83 or TI-84) |
| **TUESDAY (9.10.24)**Any questions about the previously assigned work?* Page 387 (#8, 11, 13, 15).

**Class Work: Review of the Trigonometric Values of the Special Angles.****Class Work/Homework:** Page 330 (#77, 78); page 387 (#14, 16).**THURSDAY (9.12.24)****Discuss the previously assigned work.****Learn about the 3 pairs of cofunctions.****Fill in these blanks:**1. sin(10o) = cos (\_\_\_\_\_\_\_)
2. sec (43o) = csc (\_\_\_\_\_\_\_)
3. tan (36o) = cot (\_\_\_\_\_\_\_\_)

**Class Work/Homework:*** Page 388 (#24, 25).
* **Study for a Quiz (Trigonometric Values of the Special Angles) to be taken on Friday.**

**FRIDAY (9.13.24)** **Discuss the previously assigned work.****Quiz: Trigonometric Values of the Special Angles****Review: Right Triangle Trig Review (to be received in class).** |