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| **OBJECTIVES \_\_Chapter 4: Section 4.2, Trigonometric Functions of Acute Angles (Pages 322 – 327).** |
| * Distinguish between an oblique and a right triangle.
 |
| * Use the Pythagorean Triangle to find the 3rd side of a right triangle when given the other 2 sides.
 |
| * Be able to express a radical answer in simplest radical form.
 |
| * Find the six trigonometric functions by using the sides of a right triangle.
 |
| * Be able to find an acute angle in a right triangle by using the inverse trig function of the ratio of the corresponding 2 sides.
 |
| * Find the six trig functions of the special angles 30, 45, and 90 degrees. Give exact values.
 |
| * Apply right triangle trigonometry to actual situations.
 |
| * Distinguish between angles of depression and elevation.
 |

**MONDAY (3.3.25)**

* **Homework Check of these previously assigned problems:**

Page 327, *Quick Review*, #1 – 10.

Page 328, *Exercises*, #1, 2, 3 – 8.

* **Discuss these previously assigned problems:** Page 328, #9 – 17 odd.
* **Class Work/Homework:** Page 328, #10 – 18 even, 29 – 40, 49, 51, 53.

**WEDNESDAY (3.5.25)**

* **Homework Check of these previously assigned problems:** Page 328, #9 – 17 odd.
* **Discuss these previously assigned problems:** Page 328, #10 – 18 even, 29 – 40, 49, 51, 53.
* Discussion of the trigonometric functions of the special angles, 30, 45, and 60 degrees.
* Discussion of angles of elevation and depression.
* **Homework:** Pages 328, 329 (#41 – 48, 55, 57, 61, 62, 64).

**FRIDAY (3.7. 5)**

* **Homework Check and Discussion of the previously assigned problems:** Pages 328, 329 (#41 – 48, 55, 57, 61, 62, 64).
* **Class Work:** Read and take notes on pages 381 – 383, stopping at *Simple Harmonic Motion.*
* **Homework:** Pages 386, 387, ***Exercises*** (#1 – 3, 5 – 8, 10).