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| --- |
| **OBJECTIVES \_\_\_Chapter 5: Section 5.6, The Law of Cosines (Pages 435 – 440).** |
| * **Know that an oblique triangle** is a triangle that does **not** contain a right angle.
 |
| * Understand **The Triangle Inequality Theorem:** The sum of the lengths of any two sides of a triangle must be greater than the third side.
 |
| * Use the **Law of Cosines** to solve a right triangle **or** an oblique triangle when given SAS or SSS.
 |
| cosine law ... |
| * Be able to find the areas of both right and oblique triangles.
 |
| * Use Area = 0.5(base)(height) for right triangles and oblique triangles when you know the base and the height.
 |
| * Use The Law of Sines Area Formula for oblique triangles when you know 2 sides and an included angle (SAS).
 |
| * Use Hero’s (Heron’s) Formula when you know all 3 sides (SSS).
 |
| * Use the **Law of Sines** when you know AAS, ASA, and SSA (the Ambiguous Case. (Pages 427 – 431)
 |
| * Law of Sines |
 |

**TUESDAY (4.8.25)**

**WIN TESTING FOR JUNIORS AND SELECT SENIORS**

**Review The Law of Sines. Use when given AAS, ASA, SSA (the ambiguous case).**

**Do you have any questions about the work assigned previously?**

* Page 432, #2, 10, 16.
* Page 432, #1, 3, 11, 13.

**Class Work/Homework:** Pages 432, 433, #37, 39, 43, 44.

**THURSDAY 4.10.25)**

**Discuss the previously assigned work**: Pages 432, 433, #37, 39, 43, 44.

**Class Work/Homework:** ***Review the Law of Sines*** for a test on Tuesday, April 15.

**FRIDAY (4.11.25)**

**Discuss the previously assigned work:** The Law of Sines Review for a **test on Tuesday, April 15.** You may use one sheet of paper, 8.5 by 11 inches, front and back, when you take this test on **Tuesday, April 15.**