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| **OBJECTIVES: CHAPTER 5, Sections 5 and 6 (Pages 427 – 441)** | **OBJECTIVES: CHAPTER 5, Section 5 (Pages 427 – 434)** |
| Know what must be given in order to use the Law of Sines: AAS, ASA, and **SSA** (The Ambiguous Case!) | Know what must be given in order to use the Law of Sines: AAS, ASA, and **SSA** (The Ambiguous Case!) |
| Solve triangles using the Law of Sines.  | Solve triangles using the Law of Sines.  |
| Solve real world problems using the Law of Sines. | Solve real world problems using the Law of Sines. |
| Know what must be given in order to use the Law of Cosines: SAS, SSS |  |
| Solve triangles using the Law of Cosines. |  |
| Solve real world problems using the Law of Cosines. |  |

**TUESDAY (12.3.24)** **Discuss and share your solutions for this previously assigned work:*** ***Quick Review*** on page 431, #1 – 10.
* Read about **The Law of Sines** on pages 427 – 431. Take notes.
* Solve the following problem:
* http://www.regentsprep.org/regents/math/algtrig/att12/prac4.gif Points *A & B* are on one side of a river, 100' apart, with *C* on the opposite side.  The angles *A* and *B* measure 70º and 60º respectively.  What is the distance from point *A* to point *C*, *to nearest foot*?
* Page 432 (1, 5, 19).

**Discuss** the **Law of Cosines**.**Class Work/Homework:** * Page 440, ***Quick Review***, #1-4.
* Pages 440, 441, **Exercises,** #1, 3, 5, 9
* Study for a **Quiz** (The Law of Sines). You may use your notes.

**THURSDAY (12.5.24)** * **Discuss the previously assigned work:** Pages 440, 441, **Exercises,** #1, 3, 5, 9.
* **Learn how to find the area of an oblique triangle by using**
* The Law of Sines Area Formula (SAS)
* Hero’s (Heron’s) Formula (SSS).
* **Quiz** (The Law of Sines)
* **Class Work/Homework:** Page 441 (#17, 19, 21, 23, 29).

**FRIDAY (12.6.24) \_\_\_ A-DAY, NO CLASS** |
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