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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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