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| **OBJECTIVES:*** Be able to graph the sine and cosine functions in both radians and degrees, using The Five Point Method.
* Note that the ranges of both ***y = sin x*** and ***y = cos x*** will be **y**-values between -1 and 1.
* Understand that the term ***sinusoid*** refers to both the sine and the cosine functions.
* Be able to model periodic behavior with sinusoids.
* Graph one period of ***y = tan (x)*** and ***y = - tan (x).***
* Graph one period of ***y = atan (b(x – s)) + v.***
* Know why a tangent curve has **no** amplitude.
* Find the **inflection point** of a tangent curve.
* Locate the **asymptotes**.

**TUESDAY (11.26.24)** **Quiz (Graphing the Sine, Cosine, and Tangent Functions)** You may use notes on 2 sheets of paper (8.5 by 11 inches), front and back.**Class Work:**

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| **NEW 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!) |
| Solve triangles using the Law of Sines.  |
| Solve real world problems using the Law of Sines. |

* ***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).
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