

**AGENDA****PRE-CALCULUS****1/10/12****OPENER:**

Simplify the following expressions:

1.  $\sin \theta / \tan \theta$
2.  $\cot x \sin x / \csc x \cos x$
3.  $(1 + \sin \theta) (1 - \sin \theta)$
4.  $\cot \theta \tan \theta + \sec \theta \sin \theta$

**LESSON:**

Reading / Writing Exercise

Read a non-fiction article entitled “Why Do I Have To Take Algebra?”

Answer questions relating to the article, in writing.

**OBJECTIVE:**

Read and respond to an article expressing an author’s opinion.

**LITERACY OBJECTIVE:**

Determine the main idea of a passage.

Comprehend an argument.

Generate a response to what one has read.

Argue a thesis and support one’s idea.

Convey one’s thinking in complete sentences.

**CLOSE:**

Pretend you are teaching someone how to graph a sine or cosine function including all the constants that affect Amplitude, Period, Phase Shift and Vertical Shift. Write down the detailed steps required to graph such an equation.

**HOMEWORK:**

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