Geometry Honors
Unit 6 Right Triangles

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_____8-4 Trigonometry
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January

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13 8-4	14 8-4	15 8-4	16 8-5	17 8-6 **Quiz 8-3**
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Essential Question: "How tall is the flagpole in the staff parking lot?"
By 1/30/2014 100% of my Geometry Honors students will achieve a 90% or better the Unit 6 District Assessment as evidence of being able to

- Solve problems using angle and side length relationships and attributes of polygons.
- Solve problems using right triangles, including special triangles.
- Solve problems using the sine, cosine, and tangent ratios of the acute angles of a right triangle.
- Apply the law of cosines and the law of sines to find missing sides and angles of triangles.
- Illustrate the connection between the distance formula and the Pythagorean Theorem.
- Analyze a problem situation, determine the question(s) to be answered, organize given information, determine how to represent the problem, and identify implicit and explicit assumptions that have been made.
- Solve problems by formulating one or more strategies, applying the strategies, verifying the solution(s), and communicating the reasoning used to obtain the solution(s).
- Generalize a solution strategy for a single problem to a class of related problems; explain the role of generalizations in inductive and deductive reasoning.