

Teacher / Team Name: Geometry Honors

Topic: Unit 8: Right Triangles (HON)

Days: 14










Subject(s): Math



Grade(s): 8th, 9th, 10th, 11th, 12th

Key Learning: Right triangle properties will be used to find angle measures and side lengths.



Unit Essential Question(s): How are right triangle properties used to find angle measures and side lengths?

		
Concept: Geometric Mean	Concept: Pythagorean Theorem	Concept: Special Right Triangles
		
Lesson Essential Question(s): How is geometric mean used to solve problems involving relationships between parts of a right triangle? (A)	Lesson Essential Question(s): How can pythagorean theorem be used to find the side lengths of triangles? (A)	Lesson Essential Question(s): How do you find the lengths of the sides of 30-60-90 and 45-45-90 triangles? (A)
		
Vocabulary: geometric mean	Vocabulary: pythagorean triple	Vocabulary:

Concept: Trigonometry

Lesson Essential Question(s): How can trigonometric ratios and their inverses be used to find angle measures and side lengths? (A) How can trigonometry be used to solve problems involving angles of elevation and depression? (A)

Vocabulary: trigonometry, trigonometric ratio, sine, cosine, tangent, inverse sine, inverse cosine, inverse tangent

Additional Information:
Sections: 8.1, 8.2, 8.3, 8.4, 8.5

Attached Document(s):

Teacher / Team Name: Geometry Honors

Vocab Report for Topic: Unit 8: Right Triangles (HON)

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Concept: Geometric Mean

geometric mean -

Concept: Pythagorean Theorem

pythagorean triple -

Concept: Trigonometry

trigonometry -

trigonometric ratio -

sine -

cosine -

tangent -

inverse sine -

inverse cosine -

inverse tangent -