

UNIT 10 - LESSON PLANS

Class	Algebra 1	Topic	The Pythagorean Theorem	Lesson	1	Of	6
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Objective

Students will:

- Explain a proof of the Pythagorean Theorem and its converse
- Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

"I Can" Statement

I can explain a proof of the Pythagorean Theorem and its converse

I can apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

Common Core Standards

[CCSS.MATH.CONTENT.8.G.B.6](#)

Explain a proof of the Pythagorean Theorem and its converse.

[CCSS.MATH.CONTENT.8.G.B.7](#)

Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

[CCSS.MATH.CONTENT.8.G.B.8](#)

Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

Bell Work

See Bell Work 10-1

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 10-1

Assignment 10-1

Exit Quiz 10-1

Additional Resources

See Online Activities