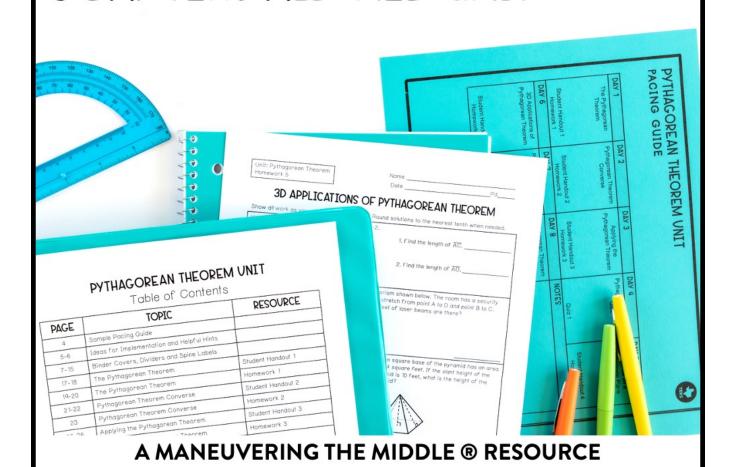
learning focus:

- use the pythagorean theorem and its converse to solve problems
- ✓ use models of the pythagorean theorem
- determine the distance between points on a coordinate plane using the pythagorean theorem









an 8 day TEKS-aligned unit TEKS: 8.6C, 8.7C, 8.7D

ready-to-go, scaffolded student materials

PYTHAGOREAN THEOREM UNIT

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student friendly + real-world application

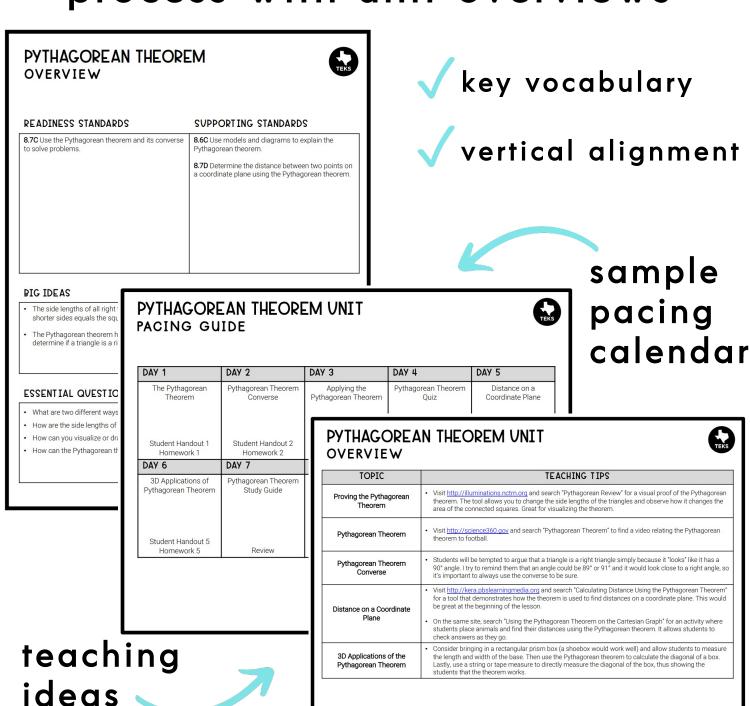
Unit: Pythagorean Theorem Student Handout 4 DISTANCE ON A	NamePo	scaffolded concepts
Assuming each interval on the graph repres the following segment lengths by counting. It a. Find the length of \overline{AB} . b. Find the length of \overline{AC} . c. Explain how a right triangle could be u		B B
DISTANCE ON A COORDINATE PLANE O To find a diagor where the diago Then, use the diagonal distance	In 5-7, use the graph and the Pythagorean 5. (-6, 1) and (-4, 5) 6. (-7, -7) and (4, -3)	n theorem to find the distance between the points.
In 1-3, use the Pythagorean theorem to fi Round answers to the nearest tenth. 1. 2.	7. (0, 2) and (7, 7)	Unit: Pythagorean Theorem
4. Triangle EFG is shown on the grid. Fin	8. The pentagon on the grid represents dollhouse in Caylin's toy room. Use the a. If each unit on the grid represents each segment below. AB:	In 1-3, find the diagonal distance between each given pair of points to the nearest tenth. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
interactiv practice	a. Aria and Bridget b. Bridget and Capri c. Capri and Aria Summarize today's lesson:	The graph below represents a map where each unit is 0.75 miles. Use the map to answer 6-8. 6. How many miles is the most direct path from Jim's house to the mall? 7. Jim's car has 25 miles until it runs out of gas. Would Jim be able to make it from his house to the grocery store and back without stopping for gas? Explain. 8. Jim hopes a park will be built within 5 miles of his house. If a park is built at the coordinates (3, 7), does that meet Jim's criteria? Explain.

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streamline your planning process with unit overviews



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unit study guide + assessments

Unit: Pythagorean Theorem Quiz 1	NamePd	√ quizzes	
QUIZ: PYTHAGOREAN THEOREM Show all work as you answer each question. tenth when necessary. 1. A rectangular parking lot has a length of 8 Which of the following could be used to find the parking lot?	Round solutions to the nearest 1. 2. 4 feet and a width of 56 feet. 3.	✓ editable unit te	e s
A. $84^2 - 56^2 = c^2$ B. $(84 + 56)^2 = c^2$ 2. Find the missing side length of the right triangle below.	PYTHAGOREAN THE		
4. Which of the following shows the sides of A. C B. C S S S S S S S S S S S S	Solve each of the problems below, and round all so sure to ask questions if you need more help with a I CAN USE THE PYTHACOREAN THEOREM TO FIND UN 1. Find x, the missing side length in the right triangle. 2. Find x, the side length triangle. 36 77 I CAN APPLY THE PYTHACOREAN THEOREM TO FIND UN 7. The legs of an isosceles right triangle. I CAN APPLY THE PYTHACOREAN THEOREM TO PROBLEM THE PYTHACOREAN THEOREM TO PROBLEM THE PYTHACOREAN THEOREM TO PROBLEM THEOREM TO PROBLEM THEOREM TO PROBLEM THE PYTHACOREAN THEOREM TO PROBLEM THEOREM THE PYTHACOREAN THEOREM THEOREM THEOREM THEOREM THEOREM THEOREM THEOREM	topic.	1
answer k included	_	©MANEUVERING THE MIDDLE, 2017	

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