## GFOMFIRY


knows her Pythagoras. She argued-and the court agreedthat the correct way to calculate the distance from Mr. Robbins's corner to the school is indeed along a straight line. In effect, that line forms the hypotenuse of a right triangle. If you take the sum of the squares and so on and so forth, the length of this hypotenuse comes to 908 feet.

Goodbye, Mr. Robbins.
But one day he will presumably be freed, and that is why it is suggested he start his life anew at the Education Department. Who better to tell young people about the enduring relevance of mathematical concepts like the Pythagorean theorem?

It beats advising them that to sell drugs, they would be wise to
move south a couple of hundred feet, to 39th and Eighth, where their main worry would be an undercover cop and not a hypotenuse.

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## WHAT TO DO

Using the Pythagorean theorem, find the length of the missing side for each right triangle described below. Circle the word next to the correct answer. Write that word in the blank above the question number. You'll complete a special quote from the hero of the article, Assistant District Attorney Deborah L. Morse!

## One Way to Do It PYTHAGOREAN THEOREM

The Pythagorean theorem is named after the Greek mathematician Pythagoras, who lived about 2,500 years ago! The theorem states that in any right triangle, with sides of lengths $a, b$, and $c$ ( $c$ being the hypotenuse, the side across from the right angle): $a^{2}+b^{2}=c^{2}$


Example: In a right triangle, a=3 inches and $b=4$ inches. Find $c$. $\checkmark 3^{2}+4^{2}=c^{2}$
$\checkmark 9+16=25$
$V c^{2}=25$
$\checkmark c=5$ inches

## Evidence File

MATH Magazine asked Deborah Morse what one of the best things about her job is. She told us, "As an assistant district attorney, I get to be a...
$\square$

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