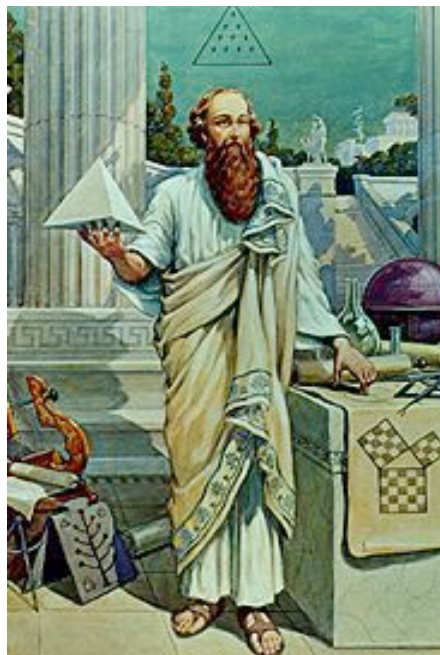


# A FOCUS ON MATHEMATICS SEMINAR

## What Would Pythagoras Do?

Presented by:  
**Steve Benson**

Date:  
**March 28, 2005**



# PYTHAGORAS PYTHAGORAS

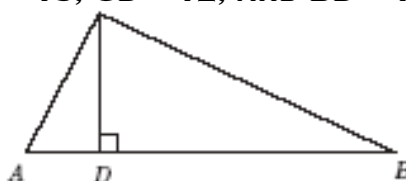
Place:

**WALTHAM HIGH SCHOOL**  
**Auditorium Foyer**  
**617 LEXINGTON ST., WALTHAM**

Time:

**3:00 – 6:00 PM**

DETERMINE THE PERIMETER OF  
TRIANGLE  $ABC$  GIVEN THAT  
 $AC = 13$ ,  $CD = 12$ , AND  $BD = 16$ .



In this seminar, we'll be discussing one of the most well known theorems in mathematics, the *Pythagorean Theorem*. It's so famous that in the movie, "The Wizard of Oz," the scarecrow misquotes it! This theorem appears all over the curriculum, providing an oft-traveled bridge between algebra and geometry. We will explore *Pythagorean Triangles*; right triangles with whole number side lengths, which turn out to be extremely useful in creating problems that "come out nice".

This seminar is accessible to teachers of all grade levels.

**DEADLINE FOR REGISTRATION IS MARCH 24, BUT SPACES WILL BE FILLED ON A FIRST COME BASIS. PLEASE CONTACT YOUR DISTRICT LEADER FOR REGISTRATION. MORE INFORMATION AND DIRECTIONS TO WALTHAM HIGH SCHOOL CAN BE FOUND AT [WWW.FOCUSONMATH.ORG](http://WWW.FOCUSONMATH.ORG).**

**REFRESHMENTS WILL BE SERVED FROM 3:00 TO 3:20.  
THE SEMINAR WILL BEGIN PROMPTLY AT 3:30.**



*Focus on Mathematics* is a unique partnership of mathematicians and educators from Boston University, Education Development Center, Inc., Worcester Polytechnic Institute, UMass Lowell, Lesley University, and five Greater Boston school districts: Arlington, Chelsea, Lawrence, Waltham, and Watertown.



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