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# JAVA Fundamentals

Math Class: Challenge

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## PythagoreanTheorem

You have learned how to use several methods of the Math Class. You will be creating a program that finds the length of the hypotenuse of a right triangle by using the Pythagorean Theorem.

## Procedure

### Create your class called PythagoreanTheorem

1. Start with your class header.
2. Include a main method.

### Declare and Assign your variables

3. You will need two double variables, legA and legB.
  4. Assign them values of 6 and 8 for now.
  5. The Pythagorean Theorem states that the hypotenuse is...  $\sqrt{(\text{legA}^2 + \text{legB}^2)}$
  6. Use the Math.sqrt() and the Math.pow() methods to display that calculation.  
(If you have done it right, the result should be 10!)
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