

Pythagoras theorem is a property that relates the sides of a triangle to each other. To understand it better, we'll give names to the sides of the triangle: a , b , and c .

Next, we'll arrange four copies of the same triangle to form two squares. The first square is made up of the four triangles on the outside, and its area is c^2 . The second square is located in the middle and is important to Pythagoras theorem. Its area is a^2 .

To prove the theorem, we'll rearrange the four triangles using