



Understand the relationships between the 3 sides of a right triangle

Content Misconceptions of the Pythagorean Theorem [Click Here](#)

Vocabulary

Alternative Assessment: Fractal Poster Project

Alternative Assessment... Fractal pattern expansion by applying Pythagorean Theorem proof on isosceles right triangles.

The Converse: Showing if a triangle is right [Activity](#)

Pythagorean Triples

Using the formula: $a^2+b^2=c^2$ [Mini-Assessment](#)
Interpretive Guide [click here](#)

Adding the areas of the squares on the legs equals the area of the square of the hypotenuse (pre-formal) [Mini-Assessment](#)
Interpretive Guide [click here](#)

Finding the hypotenuse or a leg [Activity](#)

Formal

Without pictures

With pictures

"Did You Hear About..." [Activity](#)

Use the Pythagorean Theorem to find the missing side of a right triangle

Investigation 3: Relating the areas of the squares from the 3 sides of a right triangle [Activity](#)

Sample lesson plan [click here](#)

Develop the Pythagorean Theorem

Relationship between area of a square and the side lengths of a square [Mini-Assessment](#)
Interpretive Guide [click here](#)

Square roots

Area of square

Finding the square of a number

Area of a tilted square

Square Number (1, 4, 16, 25)

Squaring a number

Identifying Right Triangles [Mini-Assessment](#)
Interpretive Guide [click here](#)

Identifying parts of a right triangle

Angle Classifications

Right Triangle practice [Activity](#)

WEBSITES
<http://www.les.su.jp/math/java/gco/pythagoras.html>
<http://www.sc-georgia.ress.k12.ga.us/G05/204-8/4-8%20GO.htm>