Pythagorean Theorem

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The Pythagorean Theorem is the statement that the sum of (the areas of) the two small squares equals (the area of) the big one.

Use GeoGebra to construct a right triangle and the squares of its sides to demonstrate a proof of the Pythagorean Theorem by doing the following steps:

* Start by making a segment.
* Construct a semicircle from the segment end points.
* Plot a point on a semicircle (use point on object).
* Hide the semicircle.
* Construct a triangle by segmenting all points.
* Measure the right angle with the angel tool.
* Measure the length of each triangle side by using the distance tool, clicking once in each triangle side.
* Move the measure by dragging it in a convenient location with the move tool.
* Turn the triangle sides into squares by using the regular polygon tools.
* Measures the area of each square by using the area tool and clicking once on each square.
* Move the measure by dragging it in a convenient location with the move tool.
* Add slider to your graph.
* Name your construction by using the insert text tools.
* Add your name to the construction.