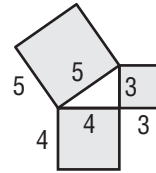


Enrich

Extending the Pythagorean Theorem

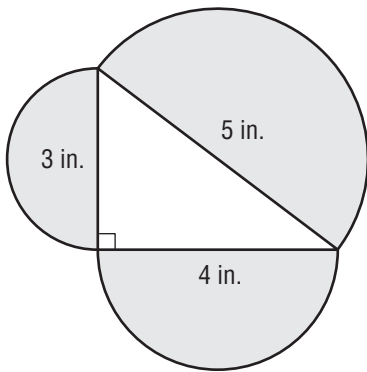
The Pythagorean Theorem says that the sum of the areas of the two smaller squares is equal to the area of the largest square. Show that the Pythagorean Theorem can be extended to include other shapes on the sides of a triangle. To do so, find the areas of the two smaller shapes. Then, check that their sum equals the area of the largest shape. Round each answer to the nearest tenth.



1. area of smallest shape:

area of middle shape:

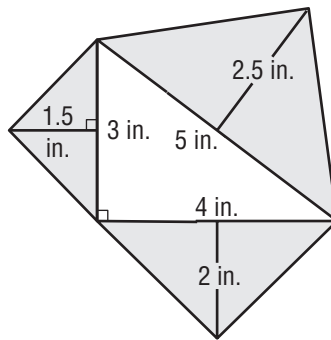
area of largest shape:



2. area of smallest shape:

area of middle shape:

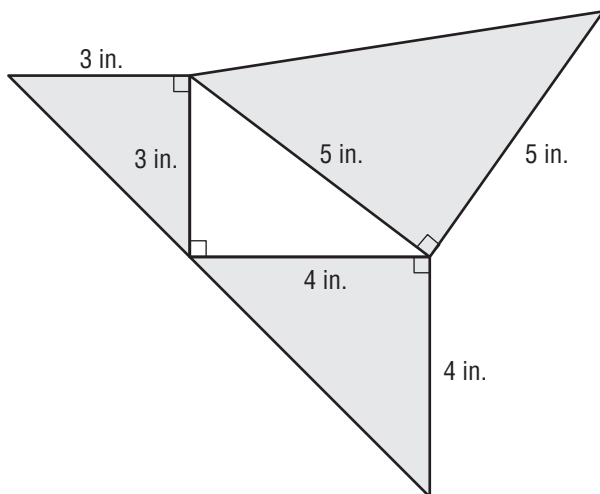
area of largest shape:



3. area of smallest shape:

area of middle shape:

area of largest shape:



4. area of smallest shape:

area of middle shape:

area of largest shape:

