

Name: _____

Looking for Pythagoras 8th Grade

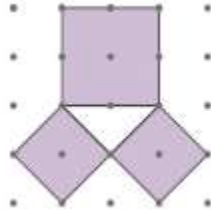
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Lesson 3.1

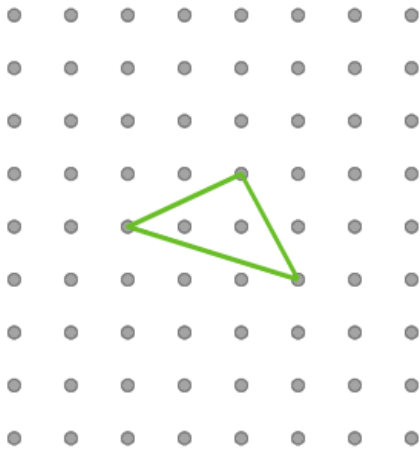
Homework

Part One

The diagram below shows a right triangle with a square on each side.



- Find the areas of the three squares
- Use the areas from part (a) to show that the squares on the sides of this triangle satisfy the Pythagorean relationship, $a^2 + b^2 = c^2$



Part Two

The triangle on the left is a right triangle. Show that this triangle satisfies the Pythagorean Theorem.

Part Three

Use the Pythagorean Theorem to find the length of the hypotenuse of this triangle.

