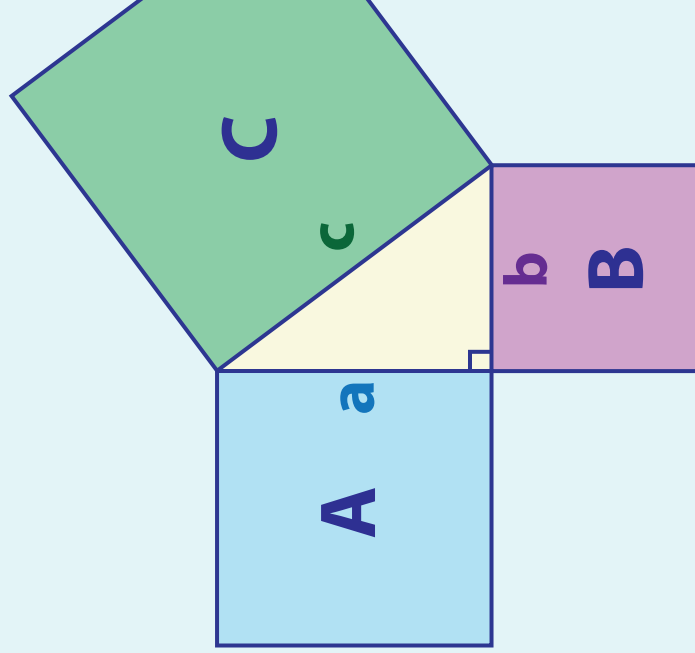


Name : \_\_\_\_\_

## Pythagorean Theorem

The area of the square on the hypotenuse equals the sum of the areas of the squares on the other two sides.



$$a^2 + b^2 = c^2$$

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Sides **a** and **b** represent the legs of

$$\text{Area } A = a \times a = a^2$$

$$\text{Area } B = b \times b = b^2$$

$$\text{Area } C = c \times c = c^2$$

Lengths of the sides **a**, **b** and **c**, can be the "**Pythagorean equation**".

$$b^2 = c^2$$