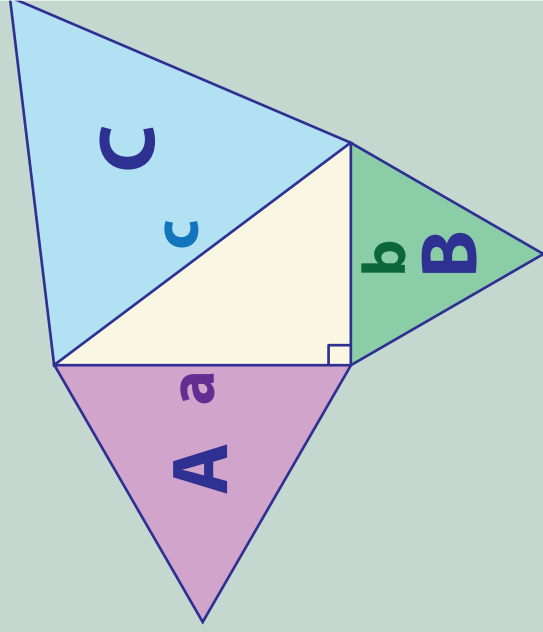


Name: _____

Pythagorean Theorem

The area of the equilateral triangle on the hypotenuse equals the sum of the areas of the equilateral triangles on the other two sides.



$$\frac{\sqrt{3}}{4} a^2 + \frac{\sqrt{3}}{4} b^2 = \frac{\sqrt{3}}{4} c^2$$

$$\frac{\sqrt{3}}{4} (a^2 + b^2) = \frac{\sqrt{3}}{4} c^2$$

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

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

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

$$\text{Right triangle A} = \frac{\sqrt{3}}{4} a^2$$

$$\text{Right triangle B} = \frac{\sqrt{3}}{4} b^2$$

$$\text{Right triangle C} = \frac{\sqrt{3}}{4} c^2$$

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

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