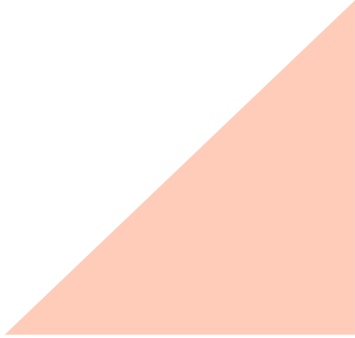


Pythagoras' Theorem

When to apply it?



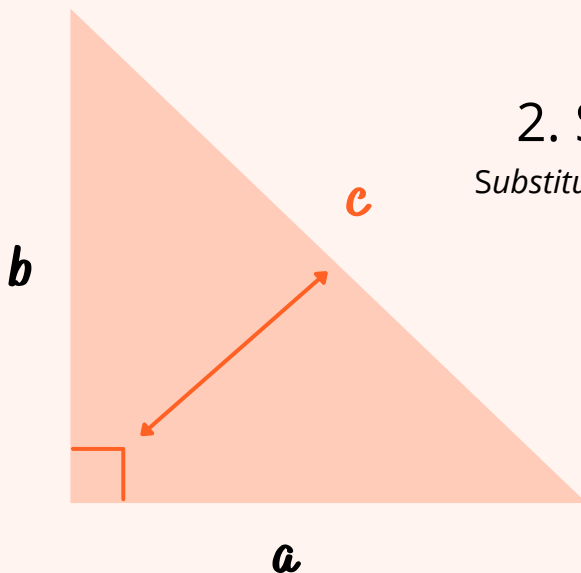
If you have a right-angled triangle.

AND you know the length of two sides in the triangle.

AND you need to find the length of the final side of the triangle.

1. Label your diagram

c is always the hypotenuse (longest side) and it is always opposite the right-angle.



2. Substitute the values.

Substitute the given values into the formula.

3. Solve

Solve for the unknown variable.

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

If you need to find the length of side a or b:

$$a^2 = c^2 - b^2$$