Pythagorean Theorem
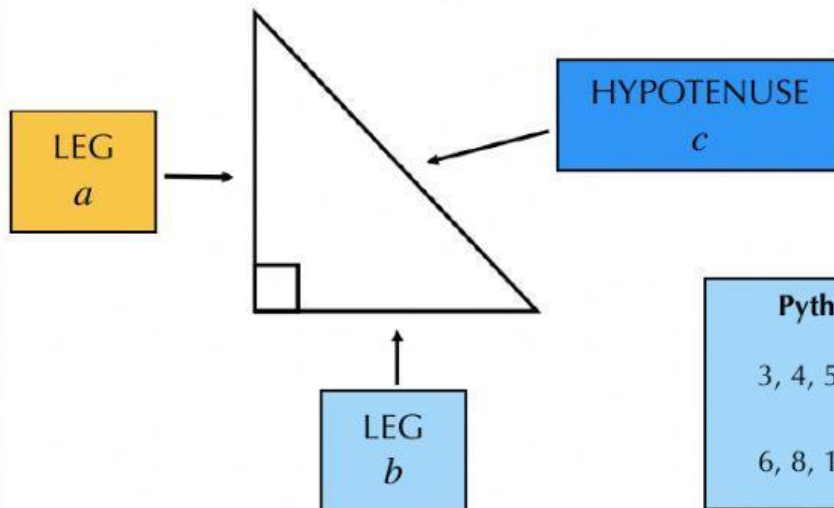
We use the **Pythagorean theorem** to find the missing side length of a <u>right triangle</u>

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

LEG
a

HYPOTENUSE
c

LEG
b

Pythagorean Triples

3, 4, 5	5, 12, 13
6, 8, 10	7, 24, 25

EXAMPLES

11 m x 10 m

8 ft x 13 ft

13 cm   15 cm x

x 7 yd   4 yd