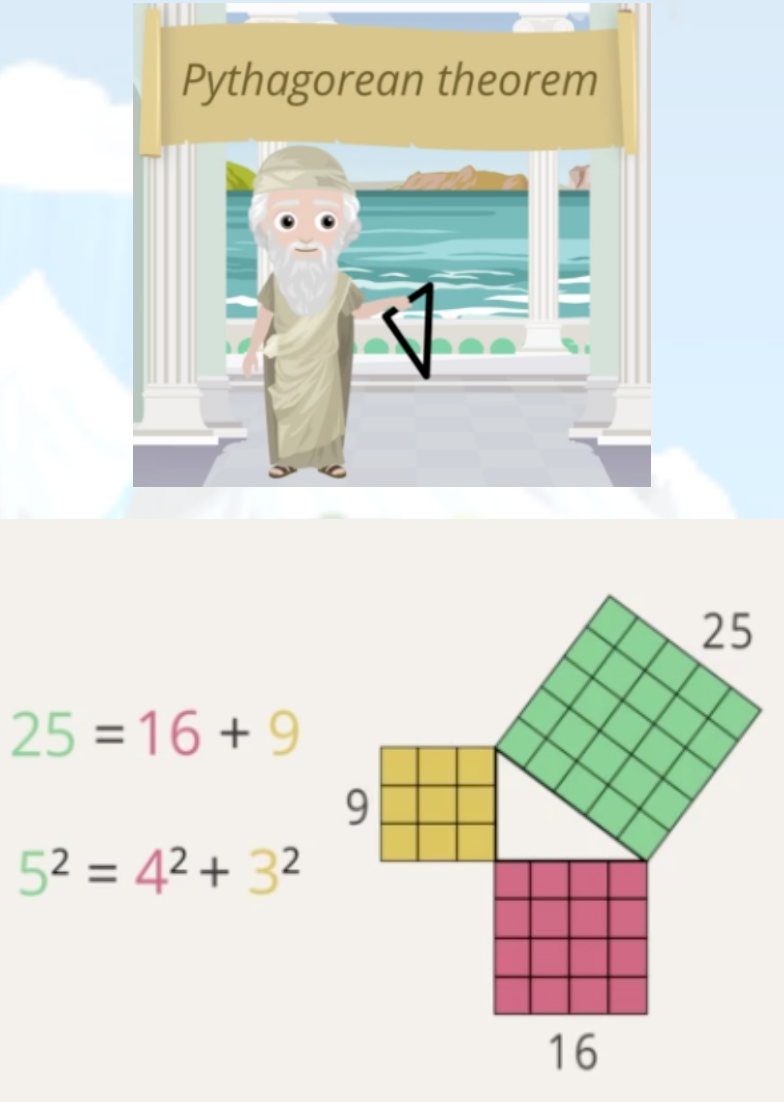


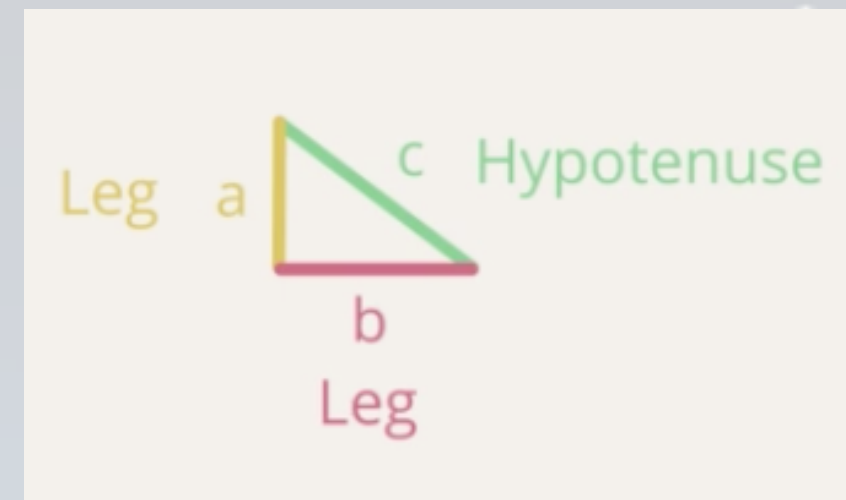


Binogi Video: [The Pythagorean theorem](#)
 Bilingual Concept List

Mathematical Term/Concept & Definition (English)	Add Your Own Language!	Image / Examples
<p>pythagoras' theorem</p> <p>In a right-angled triangle, the square of the longest side equals the sum of the squares of the two shorter sides.</p>		
<p>square root ($\sqrt{\quad}$)</p> <p>The number you should multiply by itself to find the number you have in front of you.</p>		<p>Example:</p> <p>a) What is square root of 25 ($\sqrt{25}$)? $\sqrt{25} = \underline{5}$ Check your answer: $5 \times 5 = 25 \checkmark$</p>

hypotenuse

The longest side of a right-angled triangle.



irrational number

A number that cannot be written as a fraction and when written as a decimal number, it has an infinite number of decimal digits that do not repeat.

Examples:

- a) $\sqrt{5}$
- b) 12.304938272685038372628394.....
- c) $\pi(\pi)$

exponential expression

A term that is made up of a number and a smaller number in the top right corner. The small number tells you how many times to multiply the larger number by itself.

Examples:

- a) 2^5
- b) $3^2 + 5^3$
- c) $x^4 - 2$

isolate

To separate one term (usually an unknown term) from the other terms in an equation, by placing it on one side of an equation.

Example:

a) $5 + x = 7$
isolate $\rightarrow x = 7 - 5$
 $x = 2$

