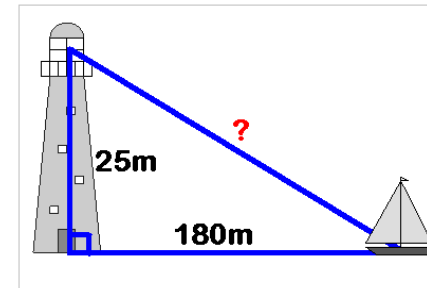


Pythagorean Theorem: in a right triangle, the sum of the squares of two smaller sides is equal to the square of the longest side



Formula

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

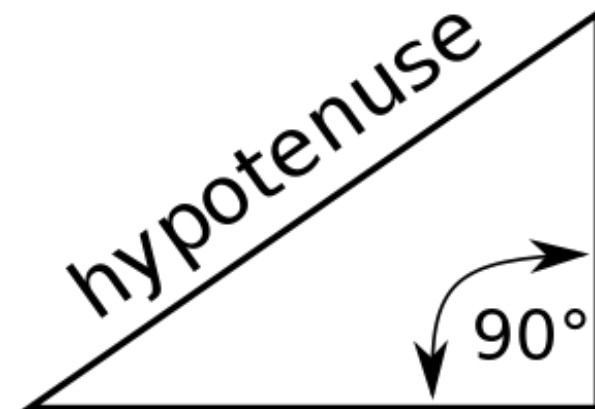
a = side of right triangle

b = side of right triangle

c = hypotenuse

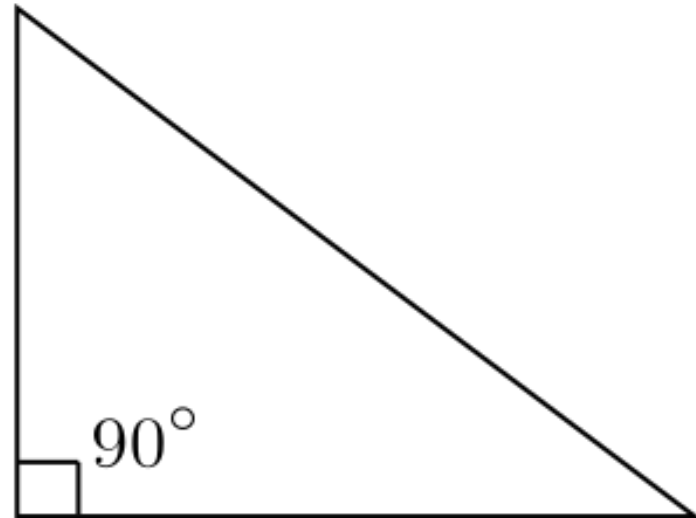
<https://www.cuemath.com/geometry/pythagoras-theorem/>

hypotenuse: the long side opposite the right angle of a triangle



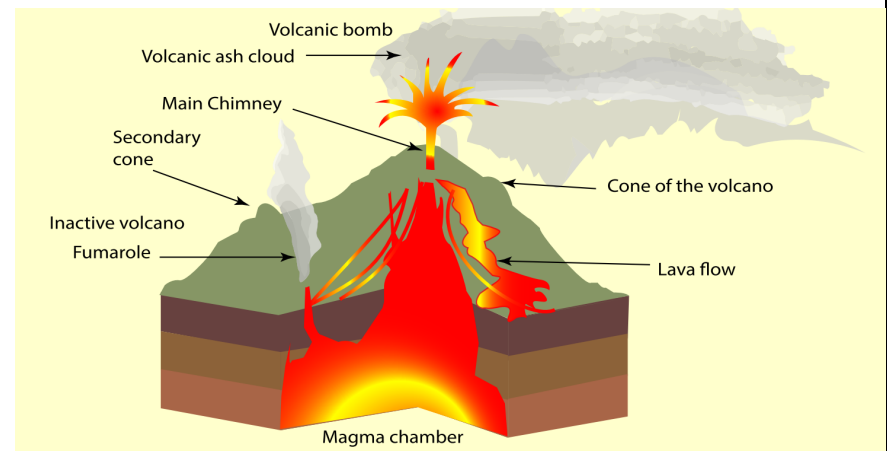
<https://en.wikipedia.org/wiki/Hypotenuse>

right triangle: a three sided shape with one of the angles measuring 90 degrees



https://simple.wikipedia.org/wiki/Right_triangle

volcano: a mountain with a hole in the top or side that sometimes sends out rocks, ash, lava, etc., in a sudden explosion (called an eruption)



<https://commons.wikimedia.org>