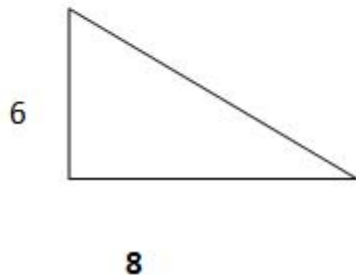


Geometry

If a right triangle has legs of 6 cm and 8 cm, what is the length of the hypotenuse?

By the Pythagorean Theorem, $a^2 + b^2 = c^2$ where "a" and "b" are the legs of the triangle, and "c" is the hypotenuse.



$$8^2 = 64$$

$$6^2 = 36$$

$$36 + 64 = 100 = c^2$$

Take the square root of 100 to get 10cm as the value for c^2 . The answer could not be -10 because we are dealing only with positive numbers.