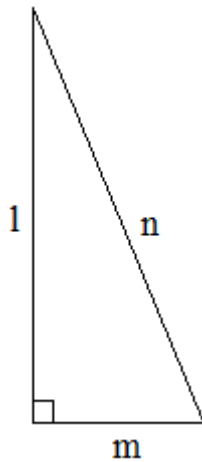


Answer on Question #73131, Math / Geometry

If $l = 12 \text{ cm}$ and $m = 5 \text{ cm}$, what is the length of n ?

Solution



Pythagorean Theorem

$$n^2 = l^2 + m^2$$

Substitute

$$n^2 = (12)^2 + (5)^2$$

$$n^2 = 169$$

$$n = \pm\sqrt{169}$$

$$n = \pm 13$$

Since n is the length of the hypotenuse, $n > 0$.

Then

$$n = 13 \text{ cm.}$$