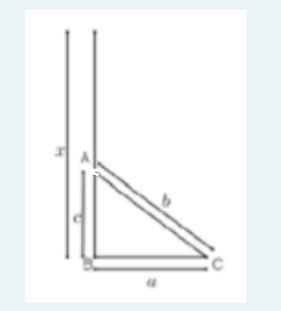


$b^2 = a^2 + c^2$

$b^2 - c^2 = a^2$

$(b+c)\cdot(b-c) = a^2$

$c + b = x$

$b = x - c$

$x \cdot (b-c) = a^2$

$b - c = \frac{a^2}{x}$

a = VARIÁVEL

x = VARIÁVEL

$(x-c) - c = \frac{a^2}{x}$

$x - c - c = \frac{a^2}{x}$

$x - 2c = \frac{a^2}{x}$

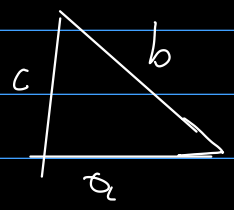
$(-1)\,x \qquad x(-1)$

$-2c = \frac{a^2}{x} - x$

$2c = -\frac{a^2}{x} + \frac{x}{1}$

$2c = \frac{-a^2 + x^2}{x}$

$$\boxed{c = \frac{-a^2 + x^2}{2x}\ //}$$



$a = 16$ b

$c = 12$

$c + b = 3z$

$12 + 20 = 3z$

$3z = 3z$ //

$$b^2 = 16^2 + 12^2$$

$$b^2 = 256 + 144$$

$$b^2 = 400$$

$$b = \sqrt{400} = 20$$

$$\begin{array}{r} 16 \\ \times 16 \\ \hline 96 \\ 16 \\ \hline 256 \end{array}$$

$$\begin{array}{r} {\scriptstyle 1\,1} \\ 256 \\ +144 \\ \hline 400 \end{array}$$