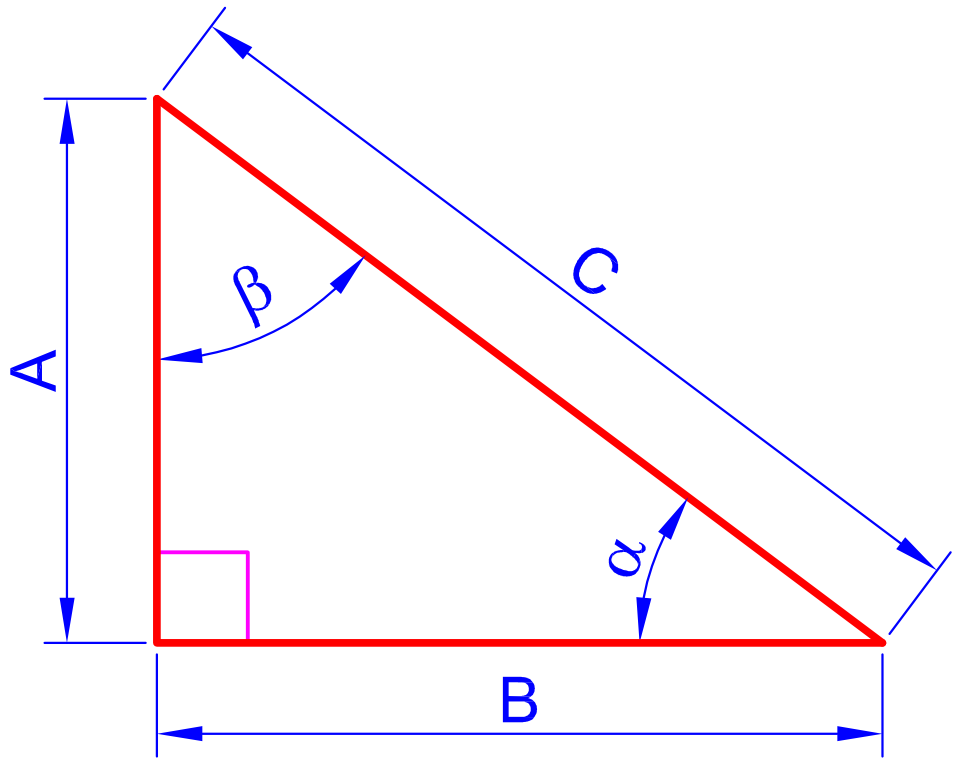
Relations dans un triangle rectangle



$$\cos(\alpha) = \frac{B}{C} \qquad \sin(\alpha) = \frac{A}{C} \qquad \tan(\alpha) = \frac{A}{B}$$

$$\alpha + \beta = \frac{\pi}{2} \qquad \text{cotan}(\alpha) = \frac{1}{\tan(\alpha)} = \frac{B}{A}$$

$$C^2 = A^2 + B^2$$

Exemple de triangle rectangle :

A = 3m ; B = 4m ; C = 5m

Remarque dans un triangle rectangle isocèle :

$$A = B = \frac{C}{\sqrt{2}}, \quad \alpha = \beta = \frac{\pi}{4}$$