

Hjælpearke til trigonometri

Formler for retvinklede trekanter

Husk:

Vinkler angives med store bogstaver (A, B og C)

Sider angives med små bogstaver (a, b og c)

Vinkel C er altid 90°

$$B = \text{Sin}^{-1}\left(\frac{b}{c}\right)$$

$$B = \text{Cos}^{-1}\left(\frac{a}{c}\right)$$

$$B = \text{Tan}^{-1}\left(\frac{b}{a}\right)$$

$$B = 180^\circ - (A + 90^\circ)$$

$$c = \sqrt{a^2 + b^2}$$

$$c = \frac{a}{\text{Sin}A}$$

$$c = \frac{b}{\text{Cos}A}$$

$$c = \frac{b}{\text{Sin}B}$$

$$c = \frac{a}{\text{Cos}B}$$

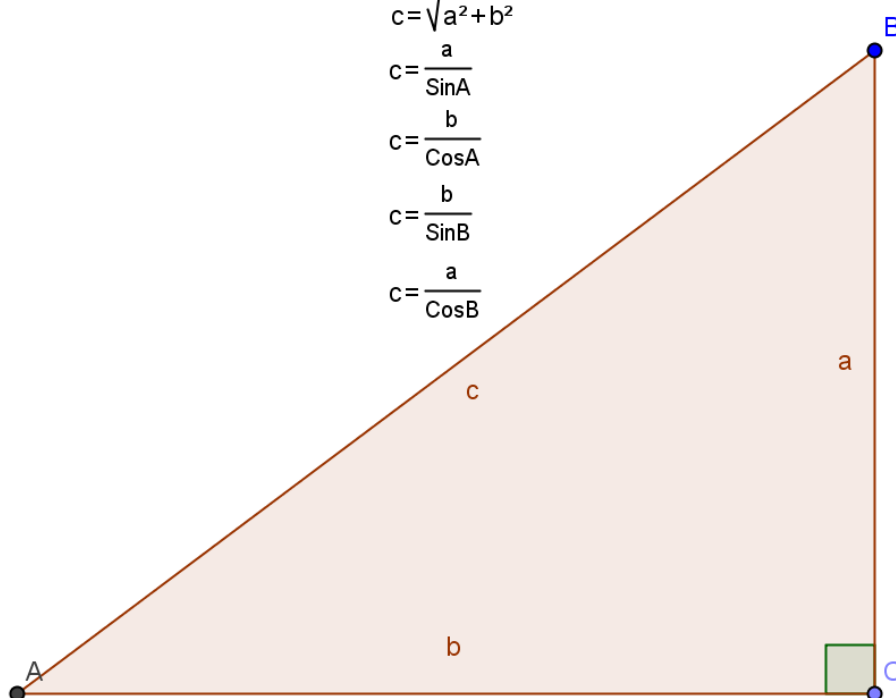
$$a = \sqrt{c^2 - b^2}$$

$$a = \text{Sin}A * c$$

$$a = \text{Tan}A * b$$

$$a = \text{Cos}B * c$$

$$a = \frac{b}{\text{Tan}B}$$



$$A = \text{Sin}^{-1}\left(\frac{a}{c}\right)$$

$$A = \text{Cos}^{-1}\left(\frac{b}{c}\right)$$

$$A = \text{Tan}^{-1}\left(\frac{a}{b}\right)$$

$$A = 180^\circ - (B + 90^\circ)$$

$$b = \text{Cos}A * c$$

$$b = \frac{a}{\text{Tan}A}$$

$$b = \sqrt{c^2 - a^2}$$

$$b = \text{Tan}B * a$$

$$b = \text{Sin}B * c$$

Hjælpearb til trigonometri

Enhedscirklen

