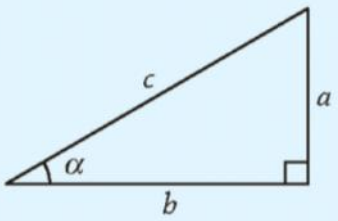
SUORAKULMAISEN KOLMION TRIGONOMETRIAA

$$\text{sini} = \frac{\text{vastainen kateetti}}{\text{hypotenuusa}} \qquad \sin\alpha = \frac{a}{c}$$

$$\text{kosini} = \frac{\text{viereinen kateetti}}{\text{hypotenuusa}} \qquad \cos\alpha = \frac{b}{c}$$

$$\text{tangentti} = \frac{\text{vastainen kateetti}}{\text{viereinen kateetti}} \qquad \tan\alpha = \frac{a}{b}$$

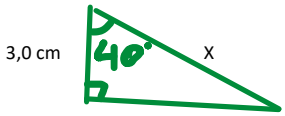


$\sin 30° = \frac{x}{5} \quad |\cdot 5$

$\sin 30° \cdot 5 = x$

sin(30) × 5

$x = 2{,}5$ cm



$\cos 40° = \frac{3}{x} \quad |\cdot x$

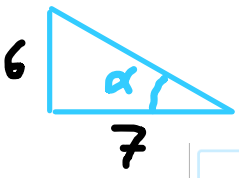
$\cos 40° \cdot x = 3 \quad |:\cos 40°$

$x = \frac{3}{\cos 40°}$

3 / cos(40)

3,91622186799683581378

$x \approx 3{,}9$



$\tan\alpha = \frac{6}{7}$

$\alpha \approx 41°$

Rad Deg

arctan(6 / 7)

= 40,60129464500446793 45

M_{in}	M_{out}	ANS	log	ln
sin	cos	tan	$\sqrt[n]{}$	$\sqrt{}$
arcsin	arccos	arctan	x^y	x^2