

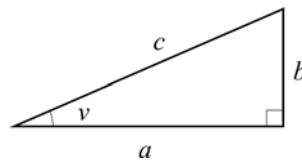
Trigonometri

Definitioner

$$\sin v = \frac{b}{c}$$

$$\cos v = \frac{a}{c}$$

$$\tan v = \frac{b}{a}$$

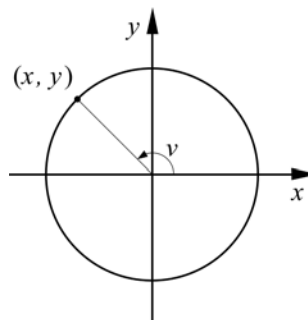


Enhetscirkeln

$$\sin v = y$$

$$\cos v = x$$

$$\tan v = \frac{y}{x}$$



Sinussatsen

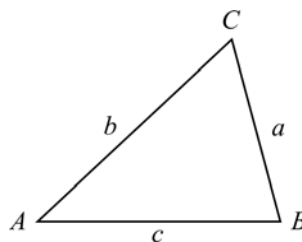
$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

Cosinussatsen

$$a^2 = b^2 + c^2 - 2bc \cos A$$

Areasatsen

$$T = \frac{ab \sin C}{2}$$



Cirkelns ekvation $(x-a)^2 + (y-b)^2 = r^2$

Exakta värden

Vinkel v	0°	30°	45°	60°	90°	120°	135°	150°	180°
$\sin v$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
$\cos v$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	-1
$\tan v$	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	Ej def.	$-\sqrt{3}$	-1	$-\frac{\sqrt{3}}{3}$	0