

Special Triangles

degrees	0°	30°	45°	60°	90°
radians	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$
sin x	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
cos x	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
tan x	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	–

Spinning Wheel

a	radius
k	speed of rotation (radians/second)
period	time of one rotation ($2\pi/k$)
q	height of center

Swinging Pendulum & Fixed Object

a	distance from q to extreme
	2 a is distance from one extreme to the other
k	nothing
period	time taken for back and forth swing ($2\pi/k$)
q	horizontal distance from reference (resting position)



By emilyaltmann

cheatography.com/emilyaltmann/

Not published yet.

Last updated 2nd November, 2019.

Page 1 of 1.

Sponsored by **ApolloPad.com**

Everyone has a novel in them. Finish Yours!

<https://apollopad.com>