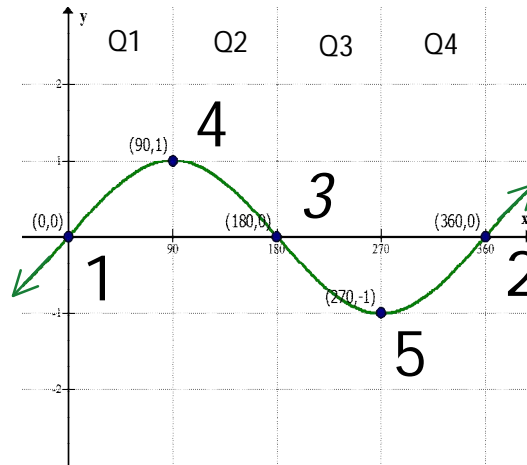


# C11 - 2.7 - $TOV^0$ $\sin x, \cos x, \tan x$ Graph TOV Notes

$y = \sin x$

x	y
$0^\circ$	0
$90^\circ$	1
$180^\circ$	0
$270^\circ$	-1
$360^\circ$	0

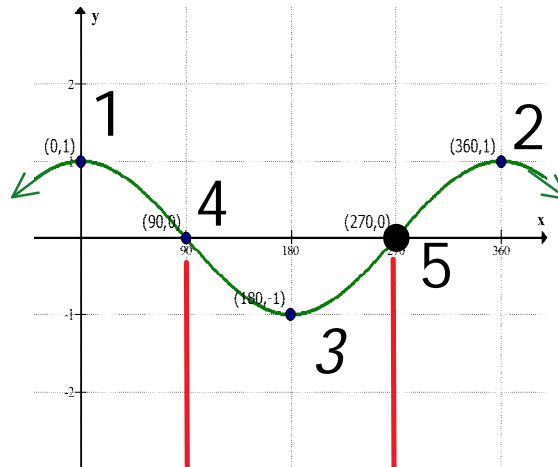
Pt.
(0,0)
(90,1)
(180,0)
(270,-1)
(360,0)



$y = \cos x$

x	y
$0^\circ$	1
$90^\circ$	0
$180^\circ$	-1
$270^\circ$	0
$360^\circ$	1

Pt.
(0,1)
(90,0)
(180,-1)
(270,0)
(360,1)

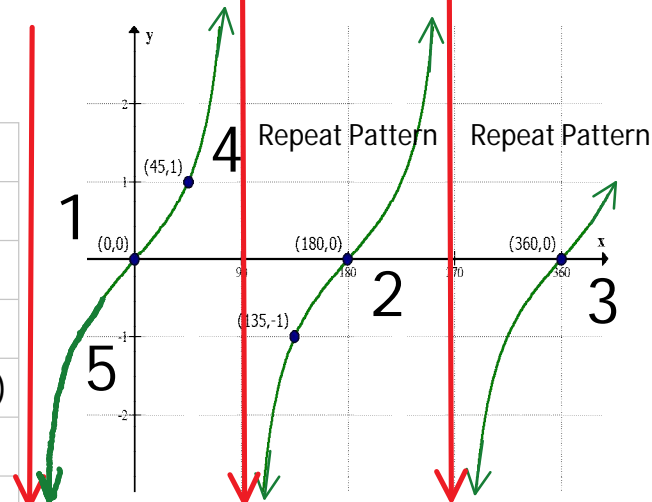


$y = \tan x$

x	y
$0^\circ$	0
$45^\circ$	1
$90^\circ$	und
$135^\circ$	-1
$180^\circ$	0

Pt.
(-45,-1)
(0,0)
(45,1)
(90,und)
(135,-1)
(180,0)

ASTC  
Special Triangles



Tan is Zero when sin is zero  
Tan is UND when cos is zero

$$\tan x = \frac{\sin x}{\cos x}$$