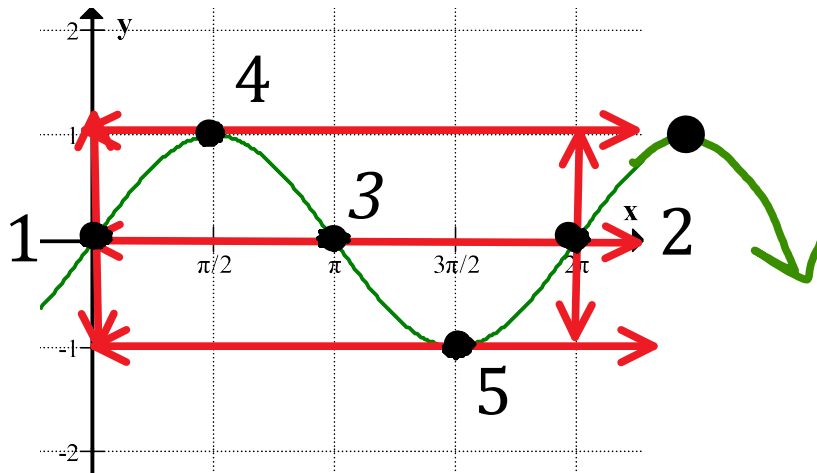


C12 - 5.1 - TOV Radians sinx,cosx,tanx TOV Graphs Notes

$y = \sin x$

x	y
0	0
$\frac{\pi}{2}$	1
π	0
$\frac{3\pi}{2}$	-1
2π	0

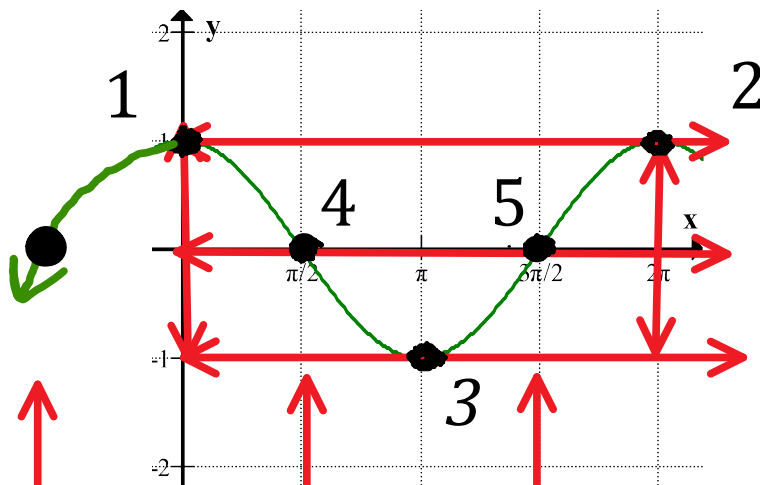
Pt.
(0,0)
$(\frac{\pi}{2},1)$
$(\pi,0)$
$(\frac{3\pi}{2},-1)$
$(2\pi,0)$



$y = \cos x$

x	y
0	1
$\frac{\pi}{2}$	0
π	-1
$\frac{3\pi}{2}$	0
2π	1

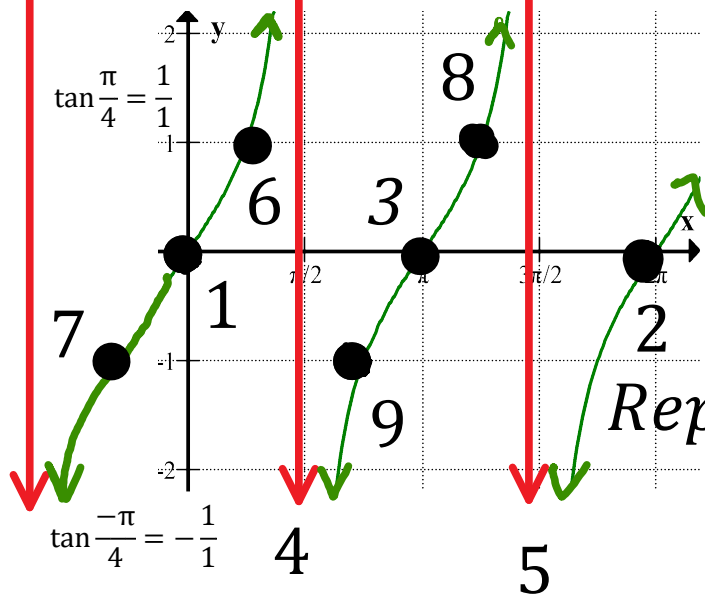
Pt.
(0,1)
$(\frac{\pi}{2},0)$
$(\pi,-1)$
$(\frac{3\pi}{2},0)$
$(2\pi,1)$



$y = \tan x$

x	y
0	0
$\frac{\pi}{4}$	1
$\frac{\pi}{2}$	und
$\frac{3\pi}{4}$	-1
π	0

Pt.
(0,0)
$(\frac{\pi}{4},1)$
$(\frac{\pi}{2}, \text{und})$
$(\frac{3\pi}{4}, -1)$
$(\pi, 0)$



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

x	y
$\frac{\pi}{4}$	1
$-\frac{\pi}{4}$	-1

Special
Triangles
ASTC

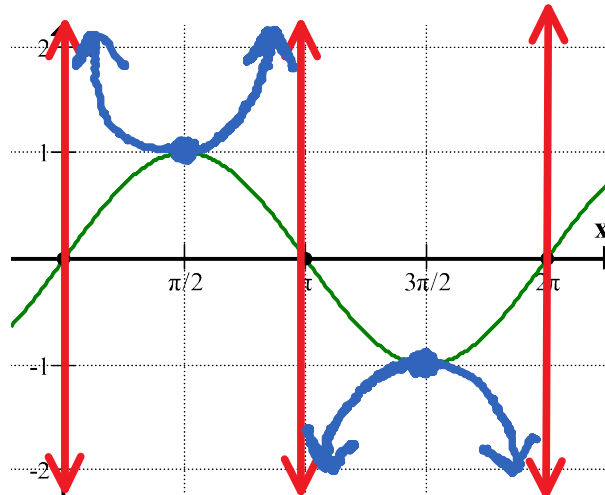
Tan is Zero when sin is zero
Tan is UND when cos is zero

C12 - 5.1 - TOV Radians cscx,secx,cotx TOV Graphs Notes

$y = \csc x$

x	y
0	und
$\frac{\pi}{2}$	1
π	und
$\frac{3\pi}{2}$	-1
2π	und

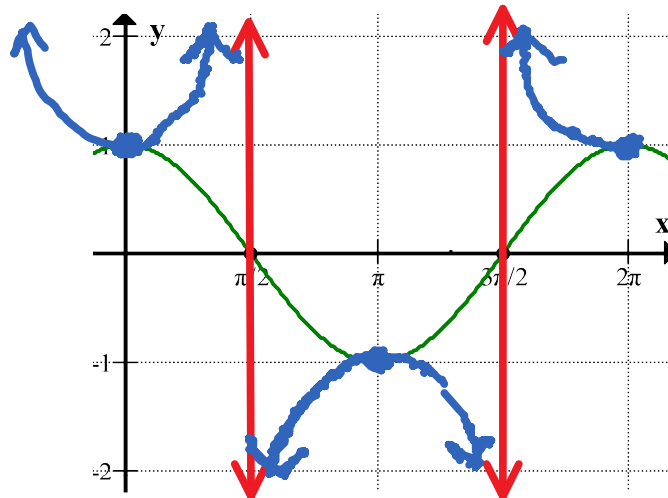
Pt.
(0,0)
$(\frac{\pi}{2},1)$
($\pi,0$)
$(\frac{3\pi}{2},-1)$
($2\pi,0$)



$y = \sec x$

x	y
0	1
$\frac{\pi}{2}$	und
π	-1
$\frac{3\pi}{2}$	und
2π	1

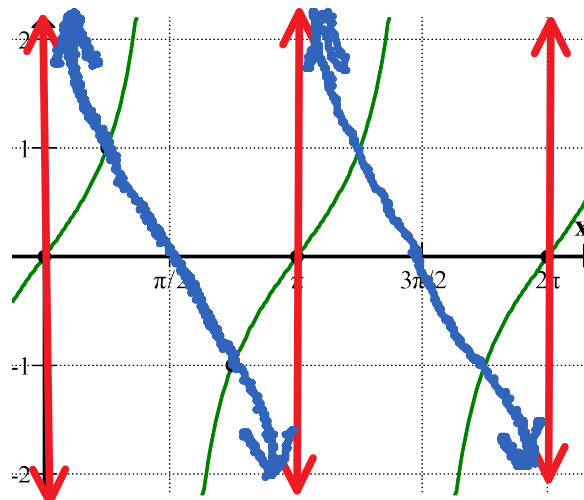
Pt.
(0,1)
$(\frac{\pi}{2},0)$
($\pi,-1$)
$(\frac{3\pi}{2},0)$
($2\pi,1$)



$y = \cot x$

x	y
0	und
$\frac{\pi}{4}$	1
$\frac{\pi}{2}$	0
$\frac{3\pi}{4}$	-1
π	und

Pt.
(0,0)
$(\frac{\pi}{4},1)$
$(\frac{\pi}{2},\text{und})$
$(\frac{3\pi}{4},-1)$
($\pi,0$)



Cot is Zero when cos is zero
Cot is UND when sin is zero

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