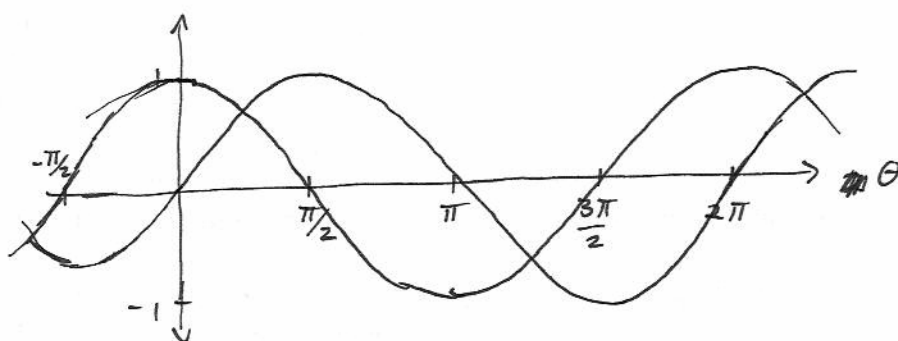


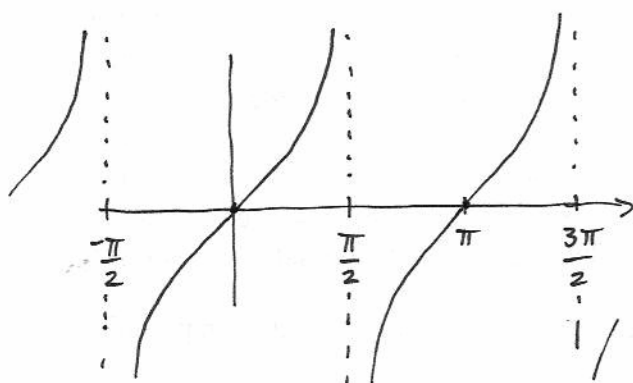
③

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Graphing sin and cos:



Graphing tan:



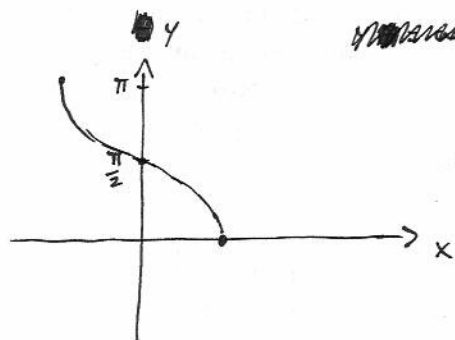
θ	$\cos \theta$	$\sin \theta$	$\tan \theta$
0	1	0	0
$\frac{\pi}{6}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\frac{1}{\sqrt{3}}$
$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1
$\frac{\pi}{3}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\sqrt{3}$
$\frac{\pi}{2}$	0	1	undefined

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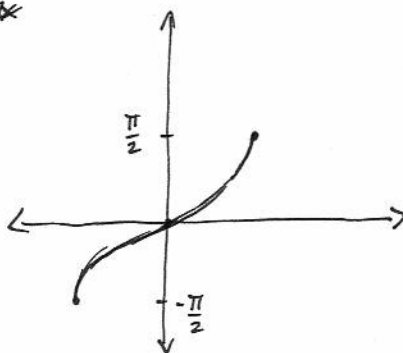
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Inverse trig functions:

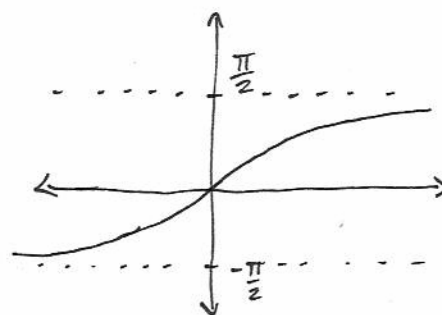
$\cos^{-1} = \arccos$ is the inverse of $\cos$ restricted to $[0, \pi]$
 $\sin^{-1} = \arcsin$ is the inverse of $\sin$ restricted to $[-\frac{\pi}{2}, \frac{\pi}{2}]$
 $\tan^{-1} = \arctan$ is the inverse of $\tan$ restricted to $(-\frac{\pi}{2}, \frac{\pi}{2})$



$y = \arccos x$



$y = \arcsin x$



$y = \arctan x$