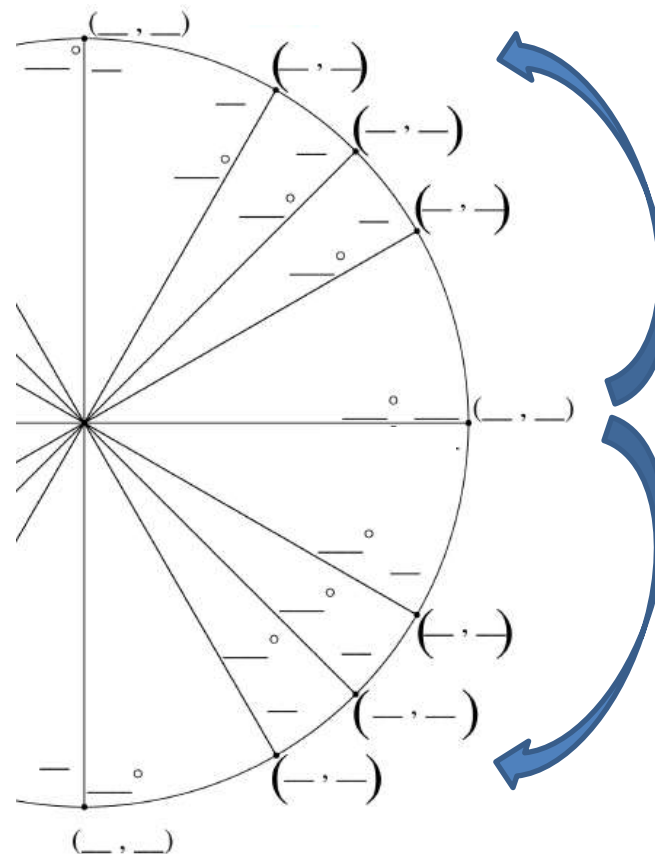
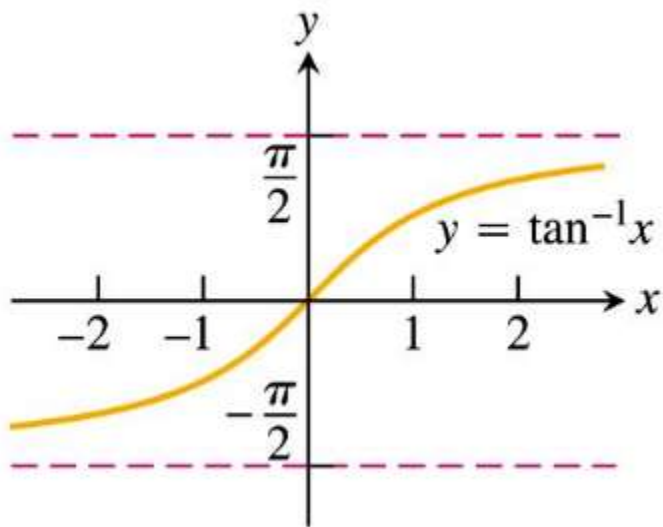


Inverse tangent function

$y = \tan^{-1} x$ or $y = \arctan x$



Domain:

Inequality: _____

Interval: _____

Range:

Inequality: _____

Interval: _____

$\tan^{-1}(\text{undefined}) = \text{_____ radians}$

$\tan^{-1}(-\sqrt{3}) = \arctan(-\sqrt{3}) = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}(-1) = \arctan(-1) = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}\left(-\frac{\sqrt{3}}{3}\right) = \arctan\left(-\frac{\sqrt{3}}{3}\right) = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}0 = \arctan 0 = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}\frac{\sqrt{3}}{3} = \arctan\frac{\sqrt{3}}{3} = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}1 = \arctan 1 = \text{_____ radians} = \text{_____}^\circ$

$\tan^{-1}\sqrt{3} = \arctan\sqrt{3} = \text{_____ radians} = \text{_____}^\circ$

$\arctan(\text{undefined}) = \text{_____}$