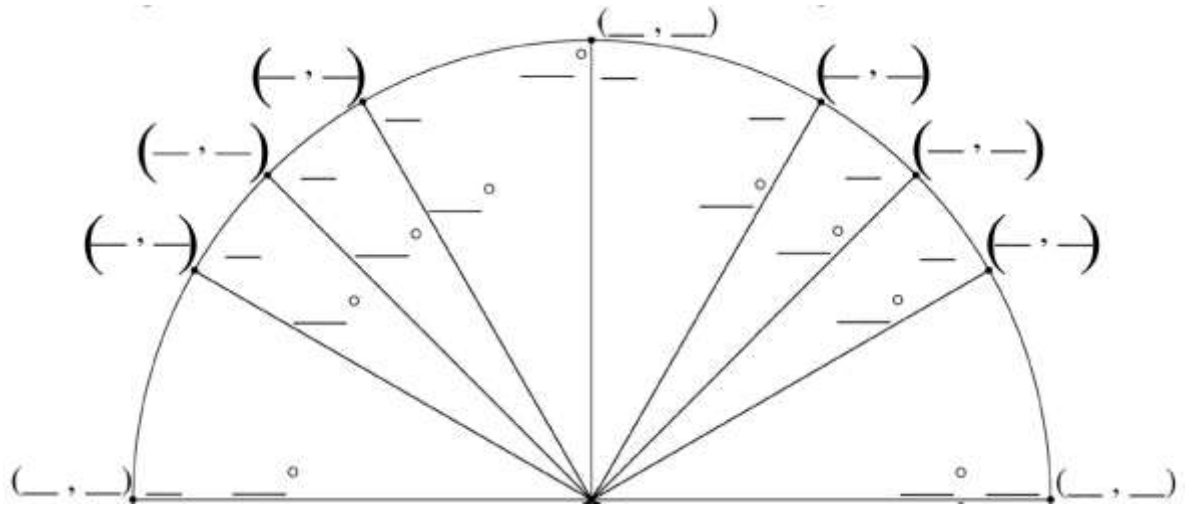
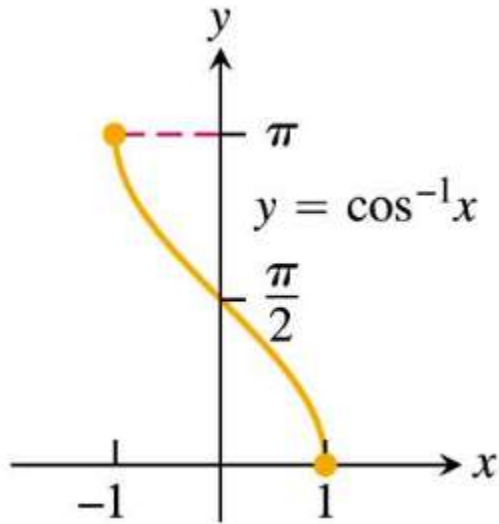


Inverse cosine function

$y = \cos^{-1} x$ or $y = \arccos x$



$\cos^{-1} 1 = \arccos 1 = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \frac{\sqrt{3}}{2} = \arccos \frac{\sqrt{3}}{2} = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \frac{\sqrt{2}}{2} = \arccos \frac{\sqrt{2}}{2} = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \frac{1}{2} = \arccos \frac{1}{2} = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} 0 = \arccos 0 = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \left(-\frac{1}{2}\right) = \arccos \left(-\frac{1}{2}\right) = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \left(-\frac{\sqrt{2}}{2}\right) = \arccos \left(-\frac{\sqrt{2}}{2}\right) = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} \left(-\frac{\sqrt{3}}{2}\right) = \arccos \left(-\frac{\sqrt{3}}{2}\right) = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

$\cos^{-1} (-1) = \arccos (-1) = \underline{\hspace{1cm}} \text{ radians} = \underline{\hspace{1cm}}^\circ$

Domain:

Inequality: _____

Interval: _____

Range:

Inequality: _____

Interval: _____