Name _____ Date _____ Period ___

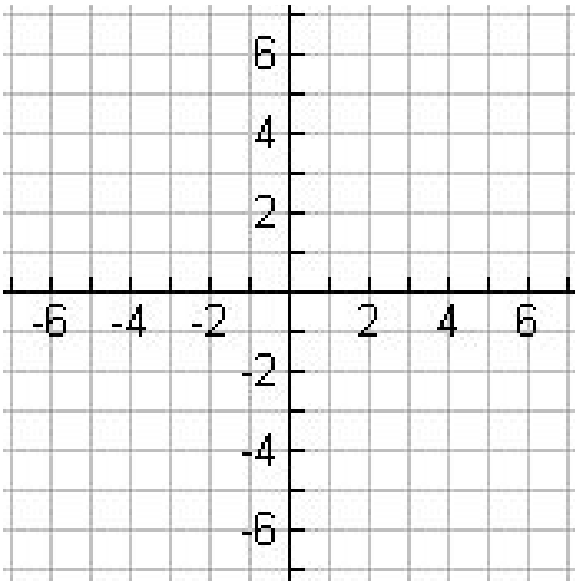
4.7 Inverse Trig

Take Home Notes

Remember: Defn of Inverse

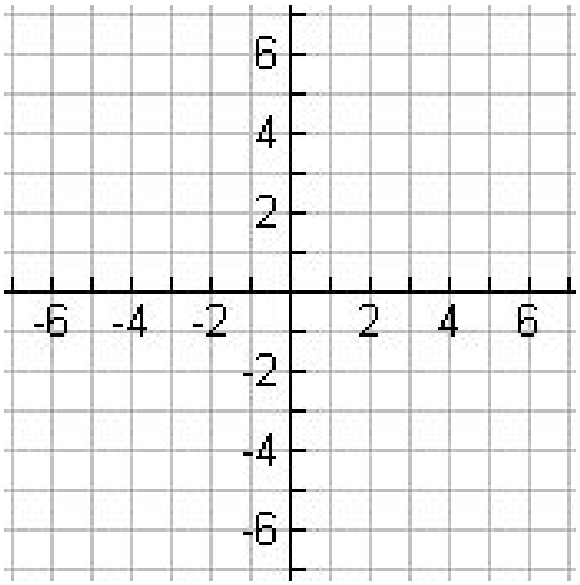
Problem

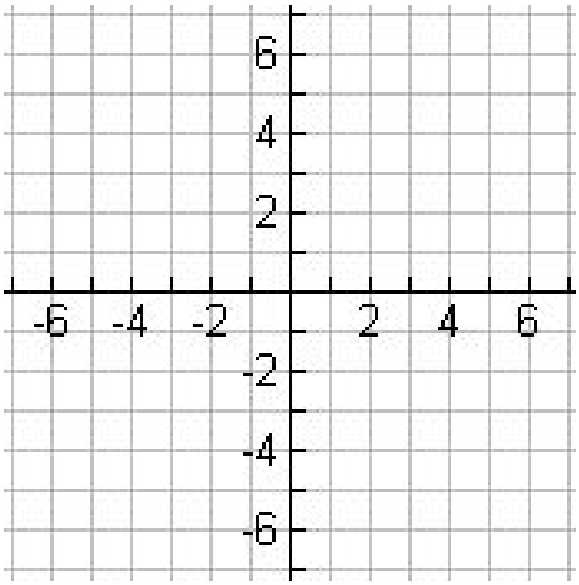
How to Fix It



Definition

Watch Out!





Find exact values

$\sin^{-1}\left(\frac{\sqrt{2}}{2}\right)$

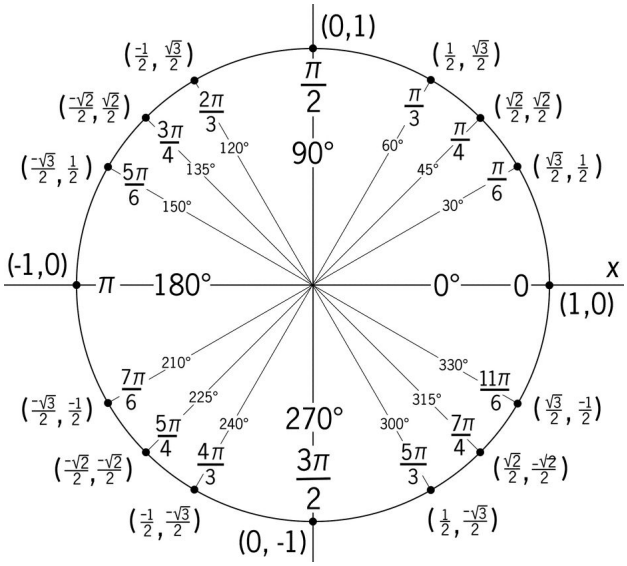
$\cos^{-1}\left(-\frac{1}{2}\right)$

$\tan^{-1}1$

$\sin^{-1}\left(\frac{\sqrt{3}}{2}\right)$

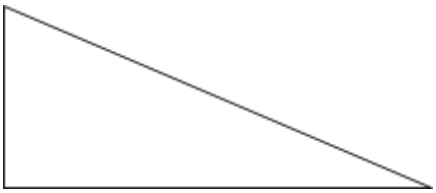
$\cos^{-1}\left(-\frac{\sqrt{2}}{2}\right)$

$\tan^{-1}0$

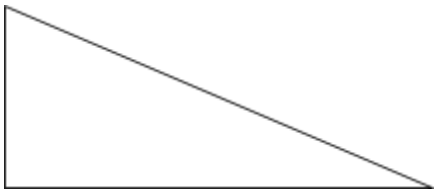


Function composition

$\cos\left(\tan^{-1}\frac{5}{12}\right)$



$\sin\left(\cos^{-1}\frac{4}{5}\right)$



Finding and graphing other trig inverses