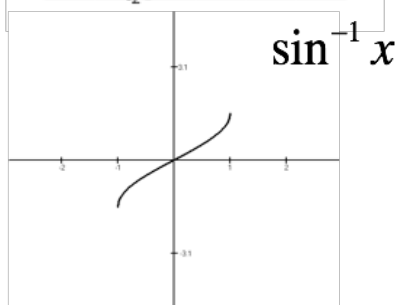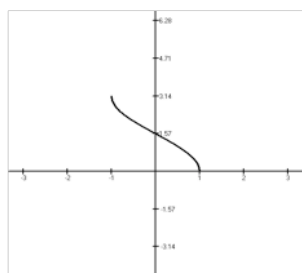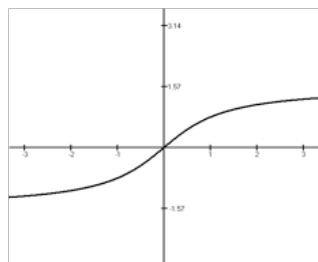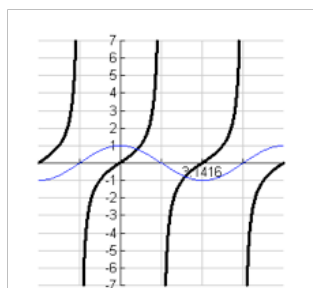# Inverse Trig Functions

$$\sin^{-1} x$$

Inverse Cosine

$$\cos^{-1} x$$

Inverse Tangent

Evaluating Inverse Functions

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

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

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

$$\tan^{-1}\left(\sqrt{3}\right)$$

$$\sin^{-1}\left(-0.81\right)$$

$$\tan^{-1}\left(22.8\right)$$

Composing Trigonometric Functions

$$\sin^{-1}\left(\sin\left(\frac{\pi}{9}\right)\right)$$

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

$$\arctan\left(\cos\left(\pi\right)\right)$$

$$\cos^{-1}\left(\cos\left(\frac{3\pi}{2}\right)\right)$$