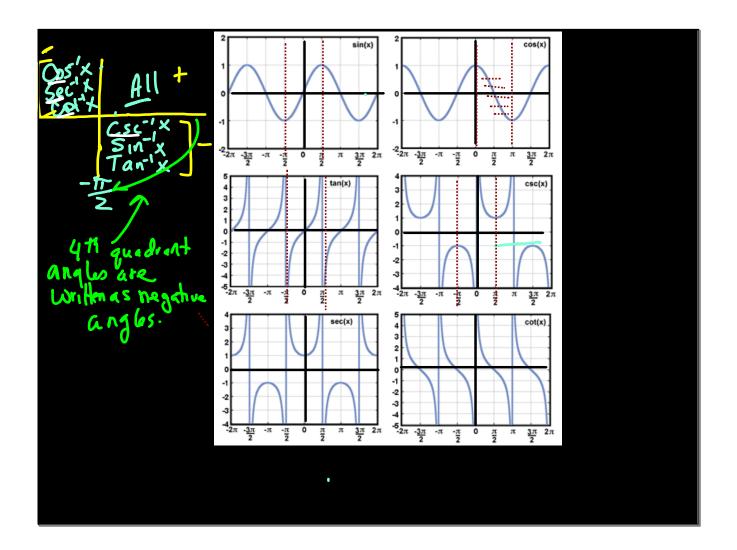
TNVERSE TRIG FUNCTIONS

$$y = \sqrt{x^2 - 4}$$
 $y = \sin \theta$ 
 $y = \sin \theta$ 



Evaluate.

$$\cos^{-1}\left(\frac{\sqrt{2}}{2}\right) = \frac{11}{4}$$

$$+ \pi/4$$
Arccot  $(-\sqrt{3}) = \frac{5\pi}{6}$ 

$$+ \pi/6 = \frac{15}{3}$$
Arcsec  $(-1) = \pi$ 

$$+ 100$$

$$\begin{array}{c}
\cos\left(\frac{4rctan \sqrt{3}}{9}\right) & \cos\left(\frac{7}{2}\right) = \frac{7}{4} \\
\cos\left(\frac{7}{3}\right) = \frac{1}{2}
\end{array}$$

$$\begin{array}{c}
\cos\left(\frac{7}{3}\right) = \frac{1}{2}
\end{array}$$

$$\begin{array}{c}
\sin\left(\cot^{-1}\left(\frac{7}{3}\right)\right) \times \sin\left(\cot^{-1}\left(\frac{7}{3}\right)$$

Inverse Trig Equations

Solve for X.

$$4 + 2 \sin (x-3) = 5y$$
 $2 \sin (x-3) = 5y-4$ 
 $3 \sin (x-3) = 3 \sin (x-3)$ 
 $3 \sin (x-3) = 5y-4$ 
 $3 \sin (x-3) = 3 \sin (x-3)$ 
 $3 \sin$