

Sometrig function reminders (Quick)

If the length of the circular arc from P to Q is O then Q has coordinates (cosO, sinO).

> unificiale has circumference 2T.

> > $\tan \Theta = \frac{\sin \Theta}{\cos \Theta} \quad \cot \Theta = \frac{\cos \Theta}{\sin \Theta}$  $\sec \Theta = \frac{1}{\cos \Theta} \quad \csc \Theta = \frac{1}{\sin \Theta}$

 $\sin^{2}\Theta + \cos^{2}\Theta = [$  $\tan^{2}\Theta + 1 = \sec^{2}\Theta$ 

addition formulas

Y /

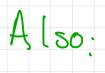
 $Q = (cos \theta, sin \theta)$ 

F = (1,0) F = (1,0) K F = (1,0) K F = (1,0) K

 $\chi^2 + \eta^2 = 1$ 

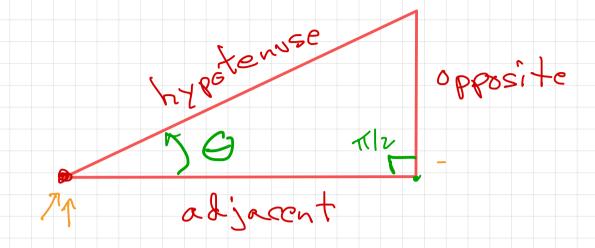
sin(x+y) = sin x cosy + cosx sin y

cos(x+y) = cosx cosy - sinx siny

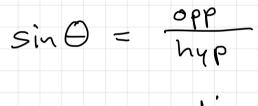


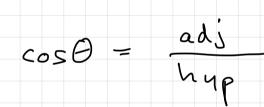
 $sin(-\theta) = -sin\theta$  $cos(-\theta) = cos\theta$  $tan(-\theta) = -tan\theta$ 

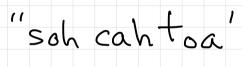
Trig and Right Triangles

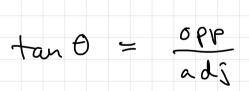


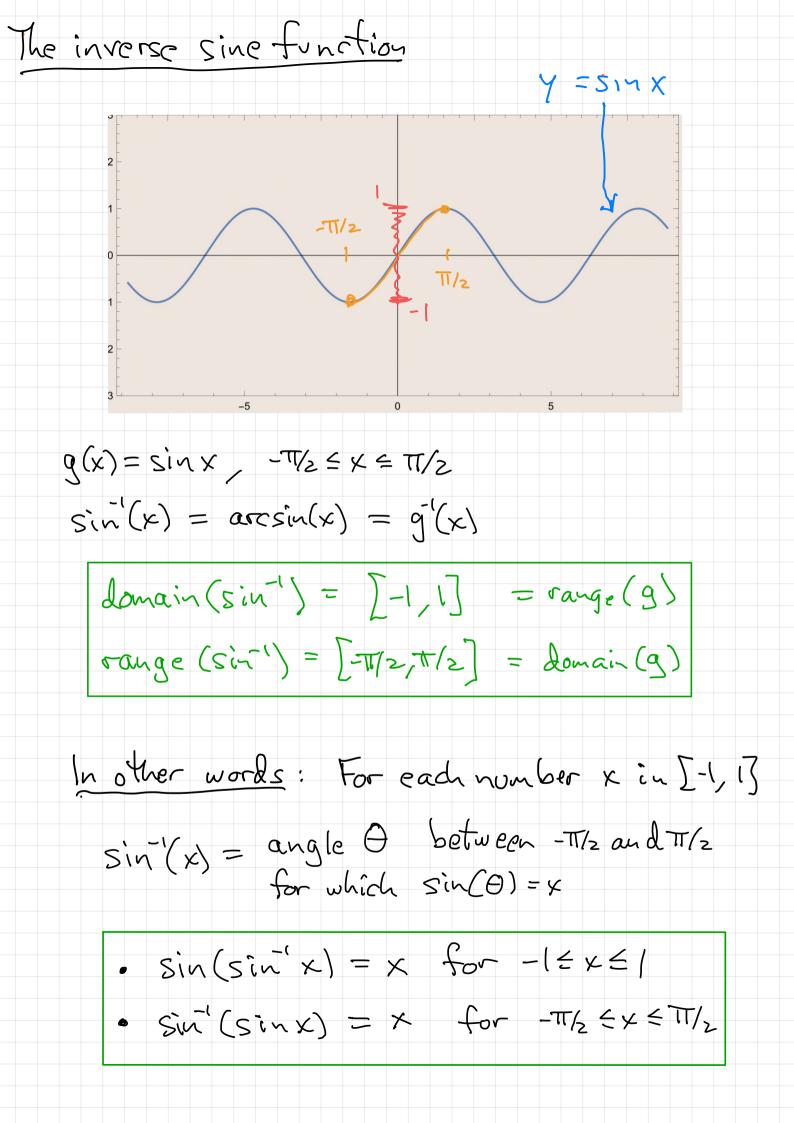


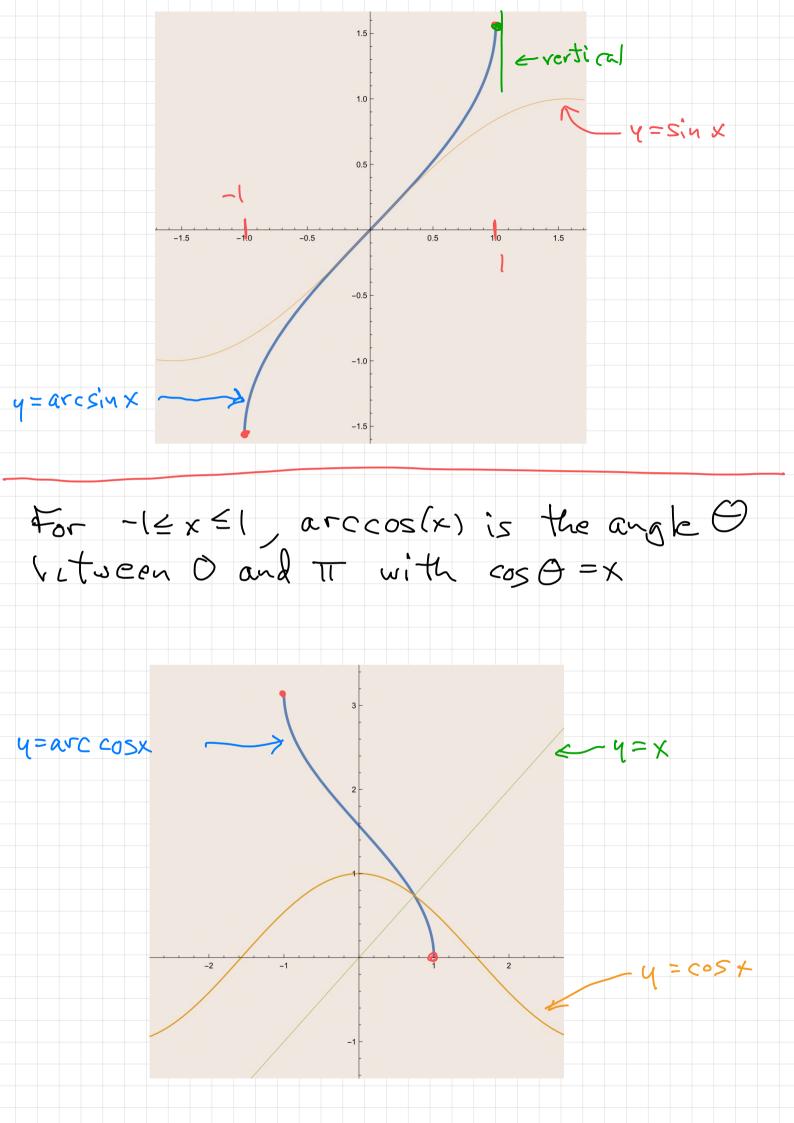


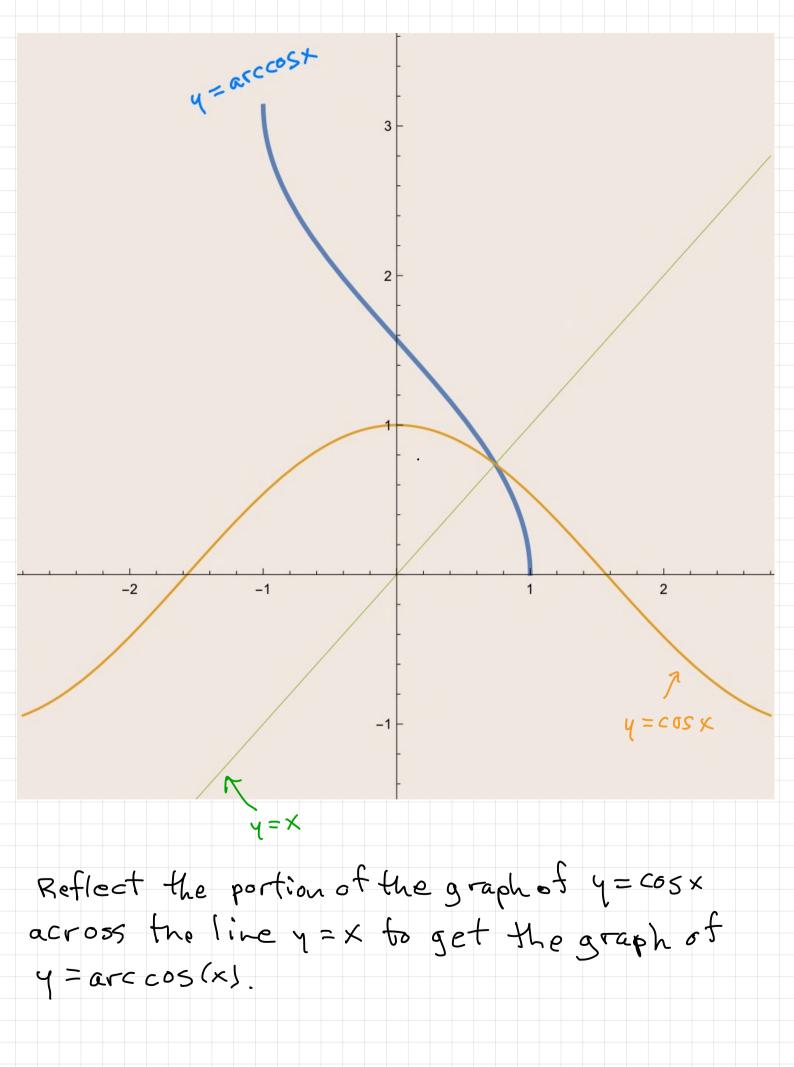


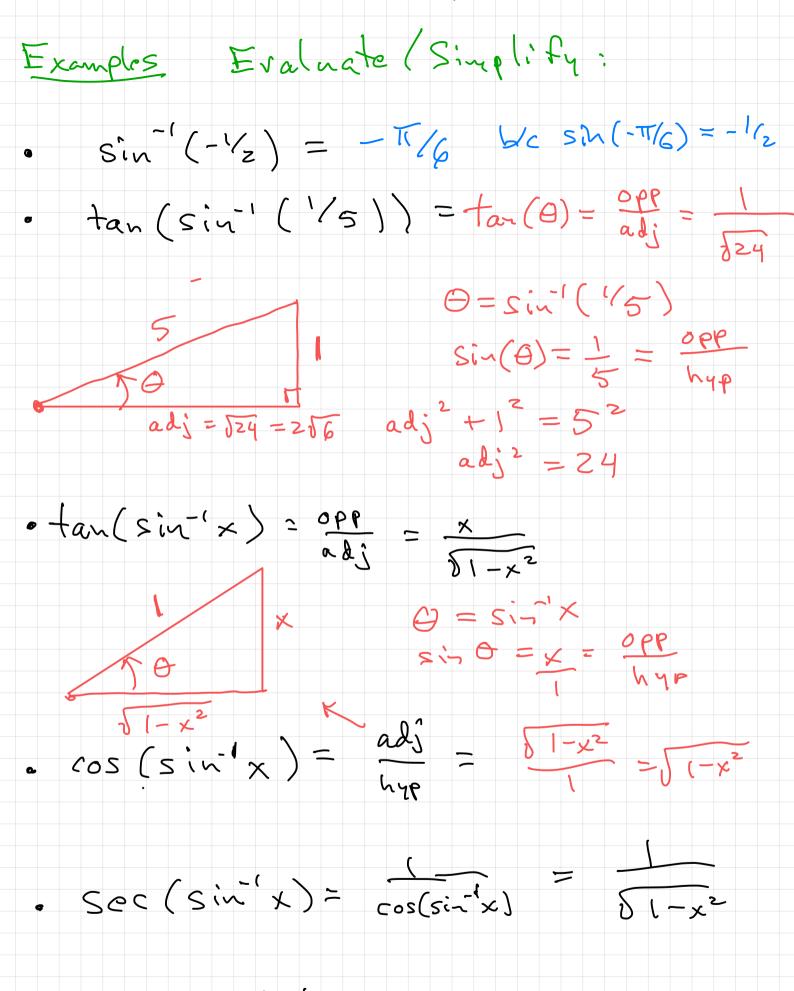












• Sin  $(sin^{-1} \neq ) = \chi$ 

