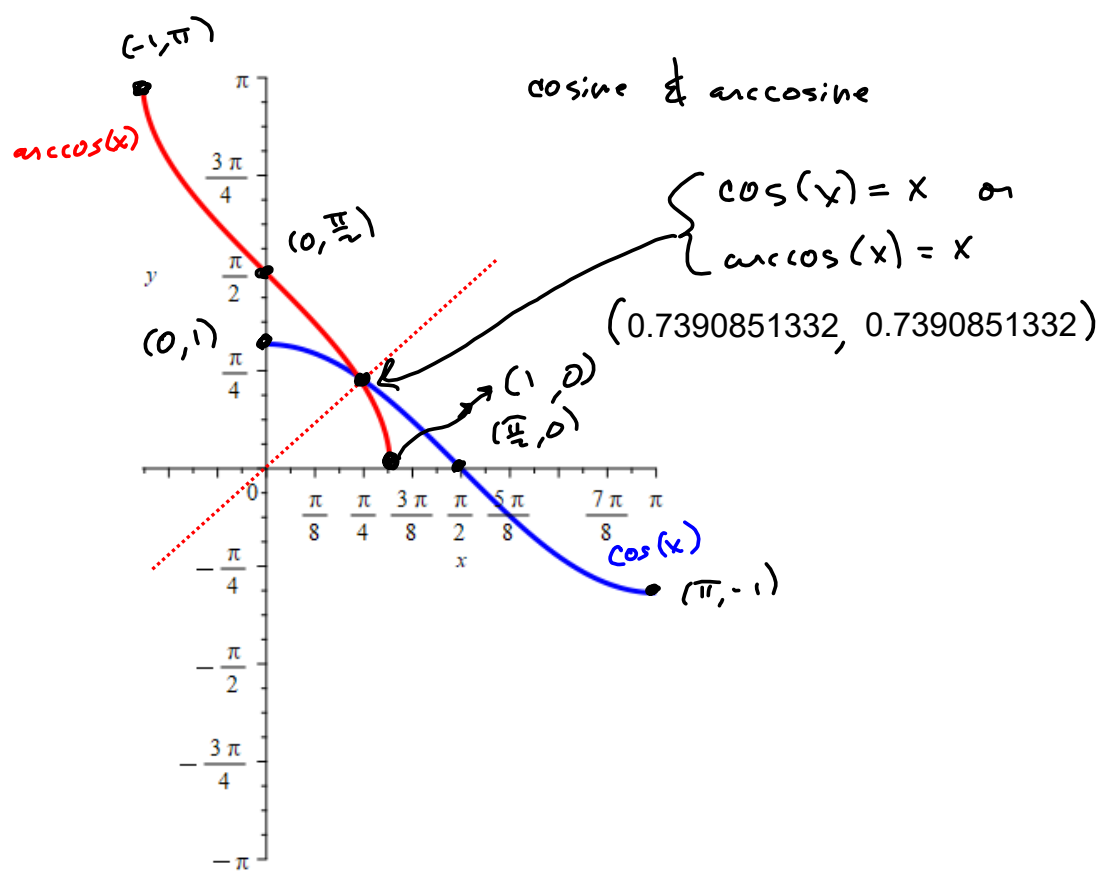
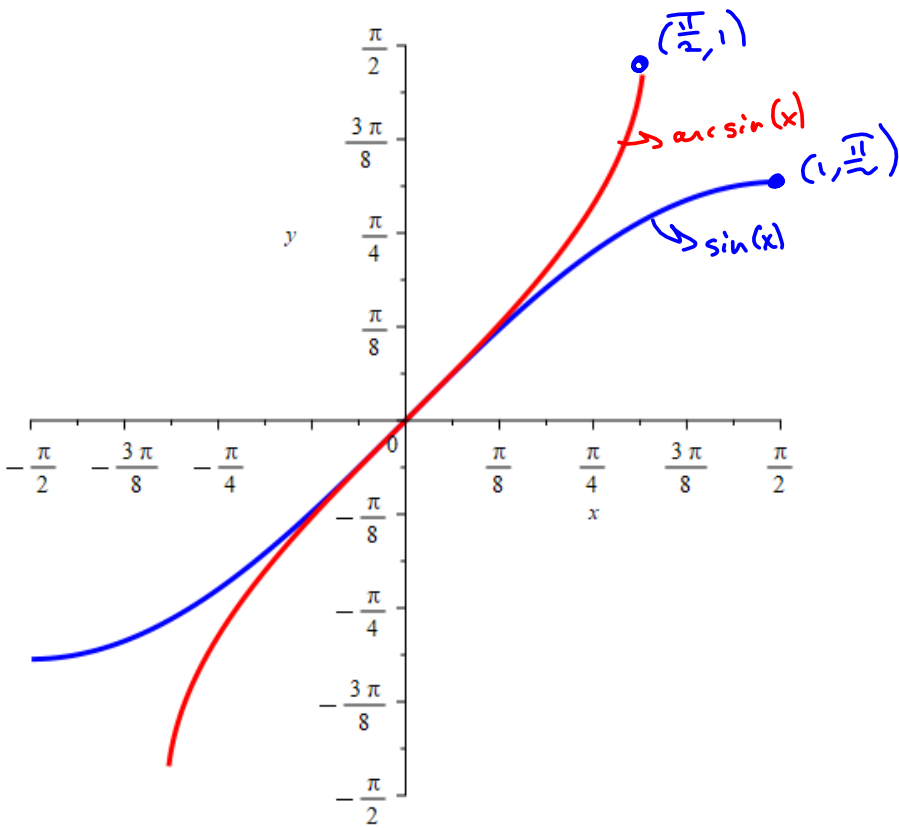


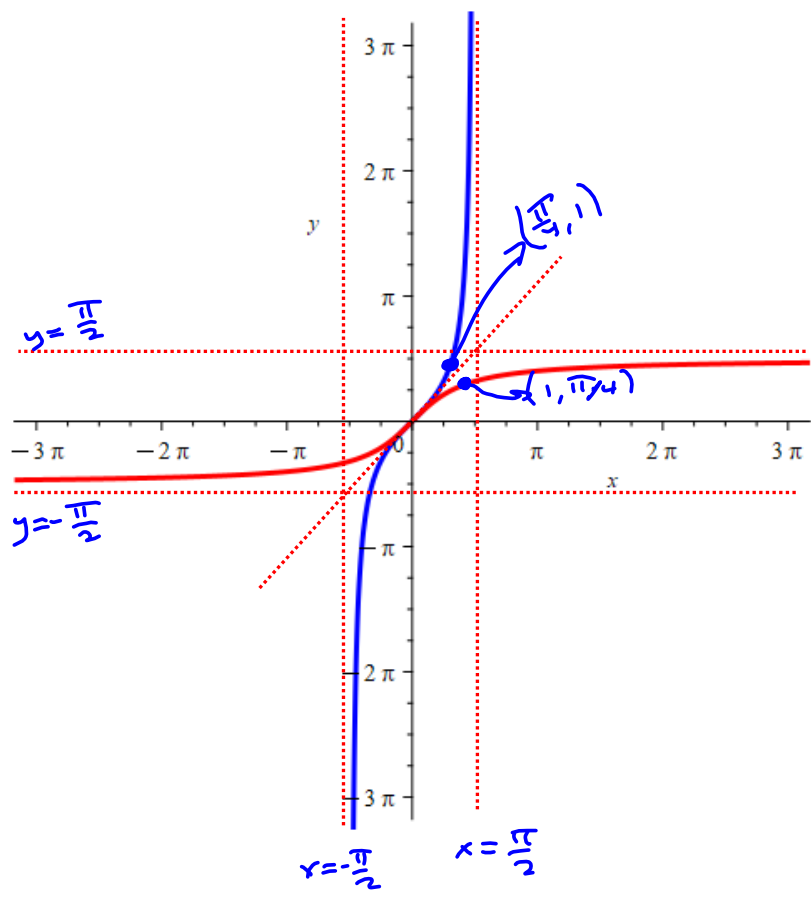
Cheat Sheet <--- Click!

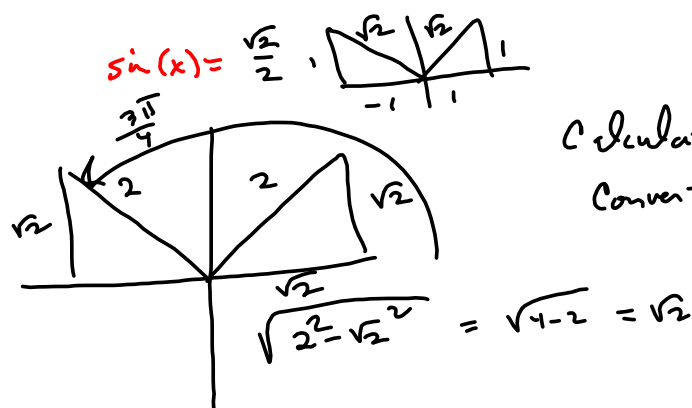
Chapter Quizzes are optional.

Tickmarks suck.

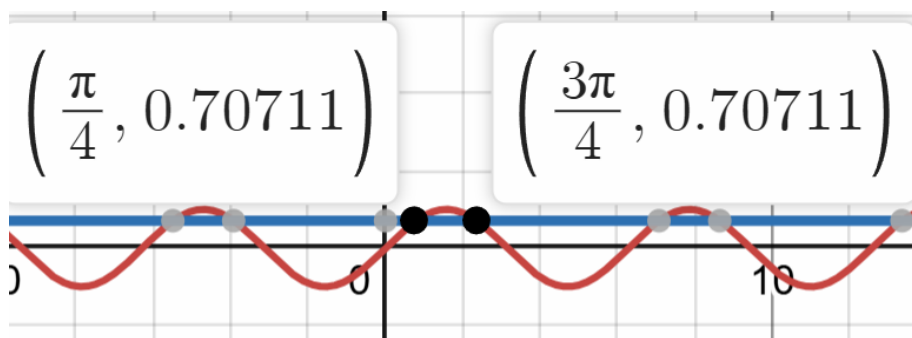
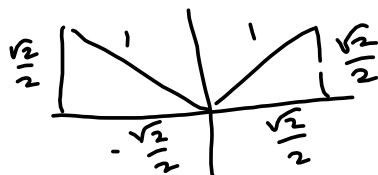








Calculator: use degrees  
Convert to radians if necessary



scientific Calculator says  $\frac{\pi}{4} \approx 0.785398163397$

Teacher wants EXACT answer!

$$(0.785398163397) \left( \frac{180^\circ}{\pi} \right) \approx 45^\circ$$

$$(45^\circ) \left( \frac{\pi}{180} \right) = \frac{\pi}{4} \text{! Exact!}$$

$$\frac{\pi}{4} = 0.785398163397$$

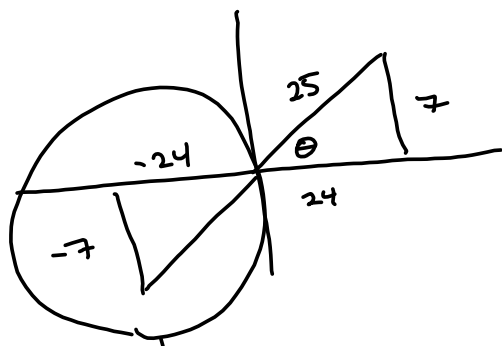
$$0.785398163397 \cdot \frac{180}{\pi} = 45$$

1.7 #24

$$\sin(\arctan(\frac{7}{24})) = \sin \theta = \boxed{\frac{7}{25}}$$

$$\theta = \arctan(\frac{7}{24})$$

$$\begin{array}{r} 24 \\ 24 \\ \hline 96 \\ 48 \\ \hline 576 \end{array}$$



$$\sqrt{7^2 + 24^2} = \sqrt{49 + 576} =$$

$$\sqrt{625} = 5.5 = 25$$

$$\begin{array}{r} 5 \overline{) 25} \\ 5 \overline{) 25} \\ \hline 0 \end{array}$$

the OTHER triangle whose tangent is  $\frac{7}{24}$