PreCalculus - Angles & SOHCAHTOA

sin	+			sin	+
cos	-			cos	+
tan	-	**S**	**A**	tan	+
sin	-	**T**	**C**	sin	-
cos	-			cos	+
tan	+			tan	-

radians to degrees: $rad \cdot \frac{180°}{\pi}$

degrees to radians: $\deg \cdot \frac{\pi}{180°}$

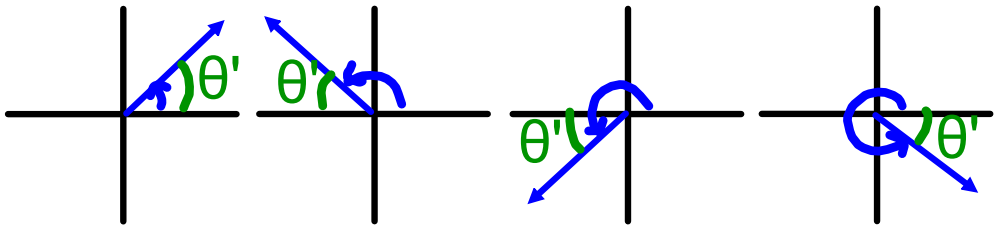
coterminal angles:

degrees ⇒ θ ± 360°

radians ⇒ x ± 2π

reference angles:

positive distance from x-axis



sine(sin)→cosecant(csc)
cosine(cos)→secant(sec)
tangent(tan)→cotangent(cot)

$\sin\theta = \frac{opp}{hyp}$ $\cos\theta = \frac{adj}{hyp}$ $\tan\theta = \frac{opp}{adj}$

$\csc\theta = \frac{hyp}{opp}$ $\sec\theta = \frac{hyp}{adj}$ $\cot\theta = \frac{adj}{opp}$