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## CCSS.MATH.CONTENT.HSF.TF.C.8 (#558)

Prove the Pythagorean identity  $\sin 2(\theta) + \cos 2(\theta) = 1$  and use it to find  $\sin(\theta)$ ,  $\cos(\theta)$ , or  $\tan(\theta)$  given  $\sin(\theta)$ ,  $\cos(\theta)$ , or  $\tan(\theta)$  and the quadrant of the angle.



