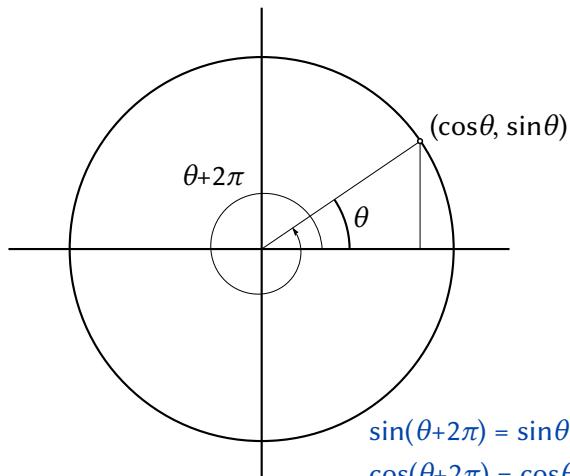


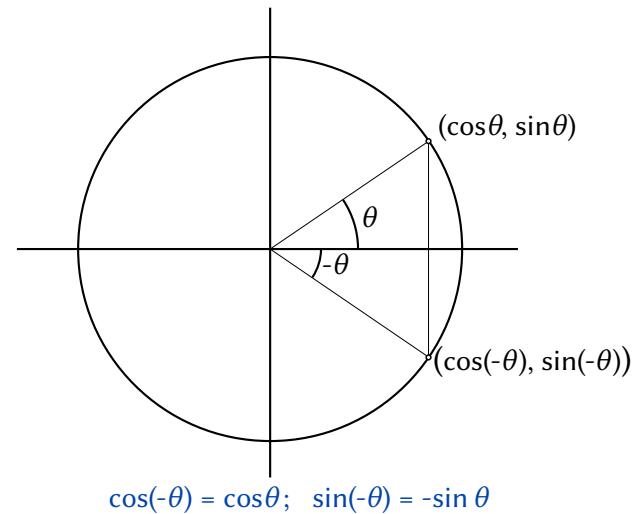
This figure defines sine and cosine.

It helps you remember when  
they are positive or negative



Even and Odd:

What happens when you  
change the sign of  $\theta$



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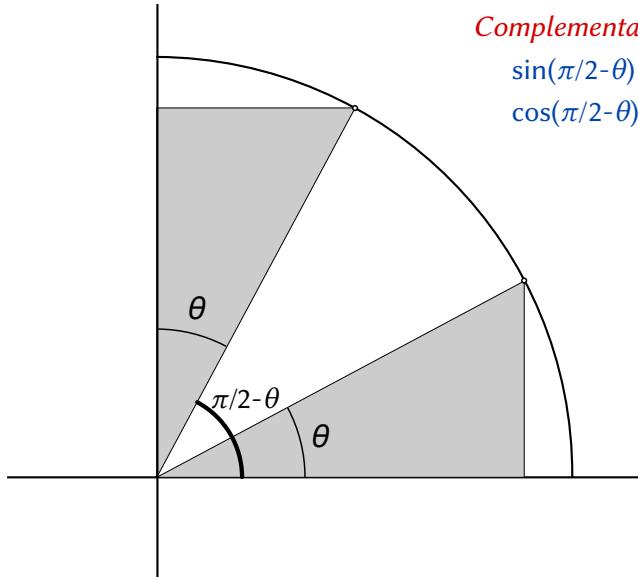
## Basic Trigonometric Identities

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Complementary angles

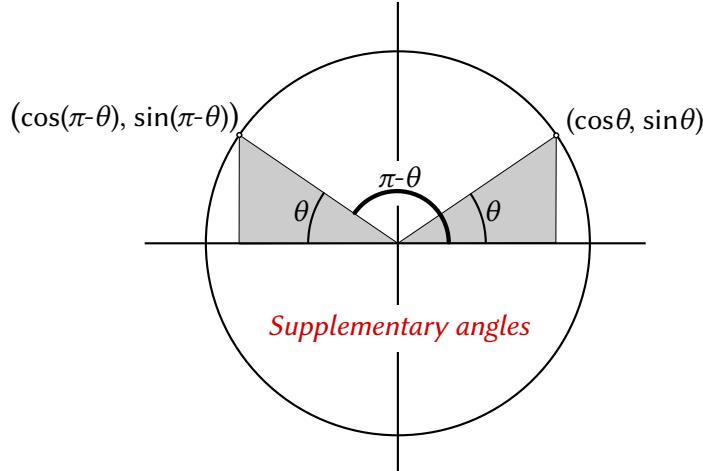
$$\sin(\pi/2 - \theta) = \cos \theta$$

$$\cos(\pi/2 - \theta) = \sin \theta$$



$$(\cos(\pi - \theta), \sin(\pi - \theta))$$

Supplementary angles



$$\cos(\pi - \theta) = -\cos(\theta); \quad \sin(\pi - \theta) = \sin(\theta)$$