

Some useful trigonometric identities:

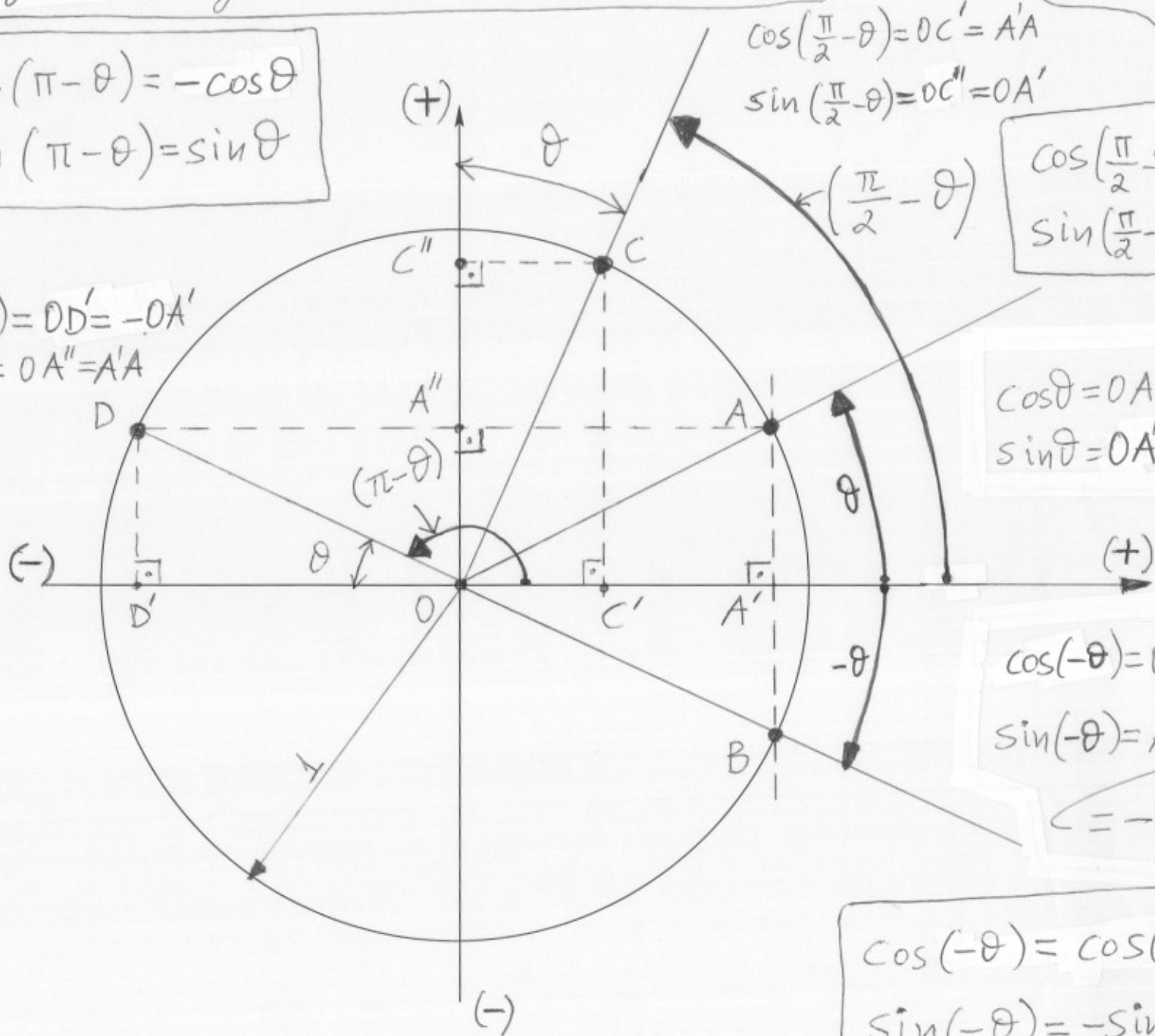
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$$\cos(\pi - \theta) = -\cos \theta$$

$$\sin(\pi - \theta) = \sin \theta$$

$$\cos(\pi - \theta) = OD' = -OA'$$

$$\sin(\pi - \theta) = OA'' = A'A$$



$$\cos\left(\frac{\pi}{2} - \theta\right) = OC' = A'A$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = OC'' = OA'$$

$$\cos\left(\frac{\pi}{2} - \theta\right) = \sin \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \cos \theta$$

$$\cos \theta = OA'$$

$$\sin \theta = OA'' = A'A$$

$$\cos(-\theta) = OA'$$

$$\sin(-\theta) = A'B$$

$$C = -A'A$$

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

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