

Five Fundamental Identities (C)

The five fundamental identities are

- $\cos^2(\theta) + \sin^2(\theta) = 1$
- $\cos(-\theta) = \cos(\theta)$
- $\sin(-\theta) = -\sin(\theta)$
- $\cos(A + B) = \cos(A)\cos(B) - \sin(A)\sin(B)$
- $\sin(A + B) = \sin(A)\cos(B) + \cos(A)\sin(B)$

All the other identities are derived from these five via algebraic manipulations.