

I. Reciprocal Identities

$\sin \theta =$ _____ $\csc \theta =$ _____

$\cos \theta =$ _____ $\sec \theta =$ _____

$\tan \theta =$ _____ $\cot \theta =$ _____

II. Quotient Identities

$\tan \theta =$ _____ $\cot \theta =$ _____

III. Pythagorean Identities

$1 =$ _____

$\sec^2 \theta =$ _____

$\csc^2 \theta =$ _____

IV. Sum & Difference Identities

$\sin (\alpha \pm \beta) =$ _____

$\cos (\alpha \pm \beta) =$ _____

$\tan (\alpha \pm \beta) =$ _____

V. Double Angle Identities

$\sin 2\theta =$ _____ $\cos 2\theta =$ _____

$\cos 2\theta =$ _____

$\tan 2\theta =$ _____ $\cos 2\theta =$ _____

VI. Half-Angle Identities

$\sin \frac{\alpha}{2} =$ _____ $\cos \frac{\alpha}{2} =$ _____

$\tan \frac{\alpha}{2} =$ _____