"TRIG CUT UPS"

Rearrange the sixteen squares to form one large square in which all matching sides form trigonometric identities.

Row 1

Square 1 — top: $\sec A$; left: $\sin A$; right: $\sec^2 A - 1$; bottom: $\dfrac{\sin A}{\tan A}$

Square 2 — top: $\dfrac{1}{\csc A}$; left: $1 - \cos^2 A$; right: $\cot^2 A + 1$; bottom: $\cos^2 A$

Square 3 — top: $\cos^2 A$; left: $\sin A$; right: $\dfrac{\cos A}{\cot A}$; bottom: $\dfrac{1}{\sec A}$

Square 4 — top: $\dfrac{1}{\sec^2 A}$; left: 1; right: $\csc A$; bottom: $\tan A$

Row 2

Square 1 — top: $\cot^2 A + 1$; left: $\dfrac{\sin A}{\cos A}$; right: $\dfrac{1}{\sin A}$; bottom: $\csc A$

Square 2 — top: $\dfrac{1}{\cot A}$; left: $\sin A$; right: $\cos^2 A$; bottom: 1

Square 3 — top: $\dfrac{\tan A}{\sec A}$; left: $\sin^2 A$; right: $\sin^2 A$; bottom: $1 - \sin A$

Square 4 — top: $\dfrac{1}{\cot A}$; left: $\dfrac{1}{\sec A}$; right: $\dfrac{1}{\cos A}$; bottom: $1 + \tan^2 A$

Row 3

Square 1 — top: $\sin A \cot A$; left: $\cos^2 A \tan^2 A$; right: $\tan^2 A$; bottom: $\cot A$

Square 2 — top: $\dfrac{\cos^2 A}{1 + \sin A}$; left: $\tan A$; right: $\cot A$; bottom: $\cos A$

Square 3 — top: $\cos A$; left: $\tan A \cos A$; right: $\sec^2 A$; bottom: $\cos A \sec A$

Square 4 — top: 1; left: $\sin^2 A \cot^2 A$; right: $\cos A$; bottom: $\sin A$

Row 4

Square 1 — top: 1; left: $\cos A$; right: $1 - \cos A$; bottom: $\cot A \sin A$

Square 2 — top: $\csc^2 A$; left: $\tan A \cos A$; right: $\sin^2 A$; bottom: 1

Square 3 — top: $\dfrac{\cos A}{\sin A}$; left: $\dfrac{\sin^2 A}{1 + \cos A}$; right: $\dfrac{1}{\csc A}$; bottom: $\sec A$

Square 4 — top: $\sin^2 A + \cos^2 A$; left: $\sec^2 A - \tan^2 A$; right: $\cot^2 A - \csc^2 A$; bottom: $\tan A$