

Challenge 1

$\csc \theta \tan \theta$

Challenge 2

$$\sin \theta + \cot \theta \cos \theta$$

Challenge 3

$$\csc^2 \theta - \cot^2 \theta$$

Challenge 4

$$\sec^2 \theta - \cos^2 \theta \sec^2 \theta$$

Challenge 5

$$\sin^2 \theta + \cos^2 \theta + \tan^2 \theta$$

Challenge 6

$$\cos \theta (1 + \tan^2 \theta)$$

Challenge 7

$$\sin \theta \csc \theta - \cos^2 \theta$$

Challenge 8

$$\sec \theta - \sin \theta \tan \theta$$

Challenge 9

$$(\csc \theta + 1)(\csc \theta - 1)$$

Challenge 10

$\sin \theta$

$\cos \theta \tan \theta$

Challenge 11

$$(\csc \theta + \cot \theta) (1 - \cos \theta)$$

Challenge 12

$$(\tan^2 \theta - \sec^2 \theta)(\sin^2 \theta + \cos^2 \theta)$$