

Ejercicios

Verifiquense las identidades de los ejercicios 1 a 24.

1 $\tan \theta \csc \theta = \sec \theta$

2 $\sin \theta \sec \theta = \tan \theta$

3 $\sin \theta \cos \theta (\tan \theta + \cot \theta) = 1$

4 $\tan \theta \sec \theta (\csc \theta - \sin \theta) = 1$

5 $(\sec \theta + 1)(\sec \theta - 1) = \tan^2 \theta$

6 $(1 + \cos \theta)(1 - \cos \theta) = \sin^2 \theta$

7 $\cot \theta + \tan \theta = \sec \theta \csc \theta$

8 $\csc \theta - \sin \theta = \cos \theta \cot \theta$

9 $\frac{\tan \theta \sin \theta}{\sec \theta - 1} = 1 + \cos \theta$

10 $\frac{\tan^2 \theta + 1}{\tan^2 \theta} = \csc^2 \theta$