

Simplifying Trigonometric Expressions

1) $1 - \sec^2 \theta$

2) $\frac{\sec \theta}{\tan \theta}$

3) $\csc \theta \tan \theta$

4) $\sec \theta \cos^2 \theta$

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

6) $1 - \sin^2 \theta$

7) $\tan \theta \cot \theta$

8) $\cos \theta \cot \theta + \sin \theta$

$$9) \cos \theta \tan \theta$$

$$10) \frac{\sin \theta \cot \theta}{\cos \theta}$$

$$11) \sec \theta \tan \theta \csc \theta$$

$$12) \sec \theta \cot \theta$$

$$13) \frac{\sin \theta}{\csc \theta} + \frac{\cos \theta}{\sec \theta}$$

$$14) \frac{\tan \theta \csc \theta}{\sec \theta}$$

$$15) \cot^2 \theta - \csc^2 \theta$$

$$16) \frac{\cot \theta}{\csc \theta}$$