

1.  $\sin \theta \csc \theta = 1$

2.  $\cot \theta \sin \theta = \cos \theta$

3.  $\tan \theta \csc \theta = \sec \theta$

4.  $\tan^2 \theta \cos^2 \theta = \sin^2 \theta$

5.  $\cos \theta \csc \theta \tan \theta = 1$

6.  $\frac{\sin^2 \theta}{1 - \cos^2 \theta} = 1$

$$7. \sin \theta (\csc \theta - \sin \theta) = \cos^2 \theta$$

$$8. \frac{1 + \tan^2 \theta}{\tan^2 \theta} = \csc^2 \theta$$

$$9. \frac{\csc \theta}{\sin \theta} - \frac{\cot \theta}{\tan \theta} = 1$$

$$10. \frac{1 - \cos^2 \theta}{1 - \cos \theta} - 1 = \cos \theta$$

$$11. \frac{1 - \sin^2 \theta}{1 - \cos^2 \theta} = \cot^2 \theta$$