In odd, value of T-ratio convert into co-function

$\sin \to \cos$ $\quad$ $\tan \to \cot$

$\cos \to \sin$ $\quad$ $\cot \to \tan$

8. $\sin(A \pm B) = \sin A \cos B \pm \sin B \cos A$ ★

9. $\cos(A+B) = \cos A \cos B - \sin A \sin B$

10. $\cos(A-B) = \cos A \cos B + \sin A \sin B$

11. $\sin(-\theta) = -\sin\theta$

12 $\cos(-\theta) = \cos\theta$ (Absorb -ve sign)

13. $\sin^2\theta + \cos^2\theta = 1$

divide by $\sin^2\theta$ $\quad$ divide by $\cos^2\theta$

$1 + \cot^2\theta = \operatorname{cosec}^2\theta$ $\quad$ $\tan^2\theta + 1 = \sec^2\theta$

14 $\sin 2\theta = 2\sin\theta\cos\theta$

15 $\sin\left(2 \cdot \frac{\theta}{2}\right) = 2\sin\left(\frac{\theta}{2}\right)\cos\left(\frac{\theta}{2}\right)$

16. $\cos 2\theta = \cos^2\theta - \sin^2\theta$

$\sin^2\theta = 1 - \cos^2\theta$ $\quad$ $\cos^2\theta = 1 - \sin^2\theta$

$\cos 2\theta = 2\cos^2\theta - 1$ $\quad$ $\cos 2\theta = 1 - 2\sin^2\theta$

17. $\cos\left(\frac{\theta}{2}\right) = \cos^2\left(\frac{\theta}{2}\right) - \sin^2\left(\frac{\theta}{2}\right)$