TRİGONOMETRİK FORMÜLLER

1. $\sin(A \pm B) = \sin A \cos B \pm \cos A \sin B$

2. $\cos(A \pm B) = \cos A \cos B \mp \sin A \sin B$

3. $\tan(A \pm B) = \frac{\tan A \pm \tan B}{1 \mp \tan A \tan B}$

4. $\sin A \sin B = \frac{1}{2} \cos(A - B) - \frac{1}{2} \cos(A + B)$

5. $\cos A \cos B = \frac{1}{2} \cos(A - B) + \frac{1}{2} \cos(A + B)$

6. $\sin A \cos B = \frac{1}{2} \sin(A - B) + \frac{1}{2} \sin(A + B)$

7. $\sin A + \sin B = 2 \sin \frac{1}{2}(A + B) \cos \frac{1}{2}(A - B)$

8. $\sin A - \sin B = 2 \cos \frac{1}{2}(A + B) \sin \frac{1}{2}(A - B)$

9. $\cos A + \cos B = 2 \cos \frac{1}{2}(A + B) \cos \frac{1}{2}(A - B)$

10. $\cos A - \cos B = -2 \sin \frac{1}{2}(A + B) \sin \frac{1}{2}(A - B)$

11. $\sin^2 A + \cos^2 B = 1$

12. $\sin 2A = 2 \sin A \cos A$

13. $\cos 2A = \cos^2 A - \sin^2 A$

14. $\sec^2 A = 1 + \tan^2 A$

15. $\csc^2 A = 1 + \cot^2 A$

16. $2 \cos^2 A = 1 + \cos 2A$

17. $2 \sin^2 A = 1 - \cos 2A$