

$$\sin(A + B) = \sin(A) \cdot \cos(B) + \cos(A) \cdot \sin(B)$$

$$\sin(A - B) = \sin(A) \cdot \cos(B) - \cos(A) \cdot \sin(B)$$

$$\cos(A + B) = \cos(A) \cdot \cos(B) - \sin(A) \cdot \sin(B)$$

$$\cos(A - B) = \cos(A) \cdot \cos(B) + \sin(A) \cdot \sin(B)$$

$$\tan(A + B) = \frac{\sin(A + B)}{\cos(A + B)} = \frac{\sin(A) \cdot \cos(B) + \cos(A) \cdot \sin(B)}{\cos(A) \cdot \cos(B) - \sin(A) \cdot \sin(B)}$$

$$\tan(A + B) = \frac{\tan(A) + \tan(B)}{1 - \tan(A) \cdot \tan(B)}$$

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

$$\sin(A + B + C) = \sin A \cdot \cos B \cdot \cos C + \cos A \cdot \sin B \cdot \cos C + \cos A \cdot \cos B \cdot \sin C - \sin A \cdot \sin B \cdot \sin C$$

$$\cos(A + B + C) = \cos A \cdot \cos B \cdot \cos C - \sin A \cdot \sin B \cdot \cos C - \sin A \cdot \cos B \cdot \sin C - \sin A \cdot \cos B \cdot \sin C - \cos A \cdot \sin B \cdot \sin C$$

$$\tan(A + B + C) = \frac{\tan A + \tan B + \tan C - \tan A \cdot \tan B \cdot \tan C}{1 - \tan A \cdot \tan B - \tan B \cdot \tan C - \tan A \cdot \tan C}$$