Sum/Difference Identities

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

2. $\sin(A-B) = \sin A \cos B - \cos A \sin B$

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

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

5. $\tan(A+B) = \dfrac{\tan A + \tan B}{1 - \tan A \tan B}$

6. $\tan(A-B) = \dfrac{\tan A - \tan B}{1 + \tan A \tan B}$