

 $\cos A - \cos B = -2 \sin \frac{A+B}{2} \sin \frac{A-B}{2}$ $\sin A + \sin B = 2 \sin \frac{A+B}{2} \cos \frac{A-B}{2}$

 $\sin A - \sin B = 2 \cos \frac{A+B}{2} \sin \frac{A-B}{2}$ $e^{in\theta} = (\cos \theta + i \sin \theta)^n = \cos n\theta + i \sin n\theta$