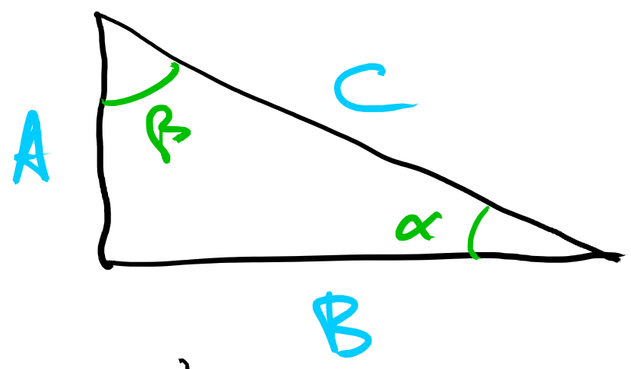
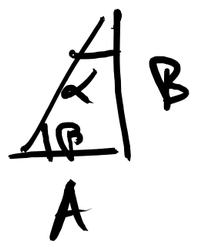
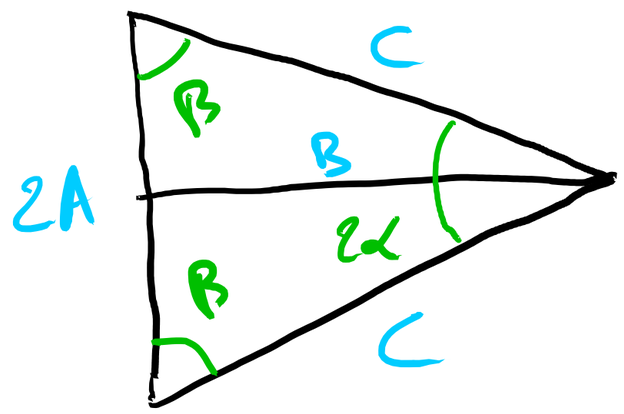
$\Rightarrow \sin 2\theta = 2 \sin\theta \cos\theta$? (video + - formules)

$$\begin{cases} \sin\alpha = \dfrac{A}{C} = \cos\beta \\ \cos\alpha = \dfrac{B}{C} = \sin\beta \end{cases}$$

$$\begin{cases} \dfrac{1}{C} = \dfrac{\sin\alpha}{A} \\ \dfrac{1}{C} = \dfrac{\cos\alpha}{B} \end{cases}$$







$$\frac{\sin\beta}{C} = \frac{\sin(2\alpha)}{2A}$$

$$\Rightarrow \sin(2\alpha) = \frac{1}{C} \cdot 2A \cdot \sin\beta$$

$\sin\beta$ → $\dfrac{\sin\alpha}{A}$; $\cos\alpha$

$$\sin(2\alpha) = \frac{\sin\alpha}{A} \cdot 2A \cdot \cos\alpha$$

$$\boxed{\sin(2\alpha) = 2\sin\alpha\cos\alpha}$$