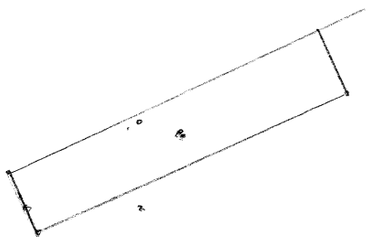

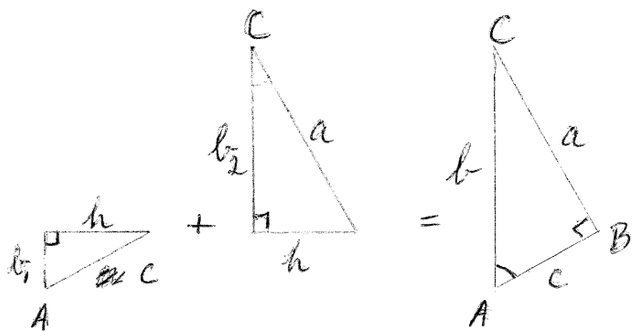

$b = b_1 + b_2$

$\tan A = \frac{h}{b_1} = \frac{a}{c}$, $\tan C = \frac{h}{b_2} = \frac{c}{b}$

$\sin A = \frac{h}{c} = \frac{a}{b}$, $\sin C = \frac{h}{a} = \frac{c}{b}$

$a = b \cdot \sin A$ $\quad$ $c = b \cdot \sin C$

$A = 90 - \alpha$

$C = 180 - (90 - \alpha) - 90 = \alpha$

b known, $a = ?$, $c = ?$

Find h