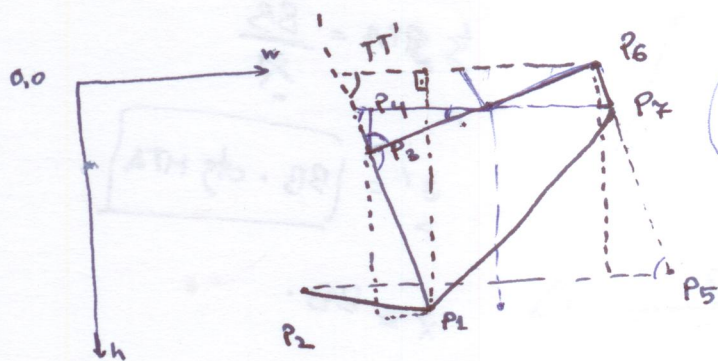EST, ST, CS, WB, TT, BB, WS, WB, STA, RE, ST, HTA, HT

$$TT = SK \cdot ctg\ STA + RE$$

$$tg\ STA = \frac{SK}{TT'}$$

$$RE = TT - SK \cdot ctg\ STA$$

wo, ho

$P_1 \Rightarrow$ $w = wo$, $h = ho - (WS - BB)$

$P_2 \Rightarrow$ $w = w_{P1} - \left(\sqrt{CS^2 - BB^2}\right)$ $h = ho - WS$

$P_3 \Rightarrow$ $w = w_{P1} - (EST * cos(STA))$ $h = h_{P1} - (EST * sin(STA))$

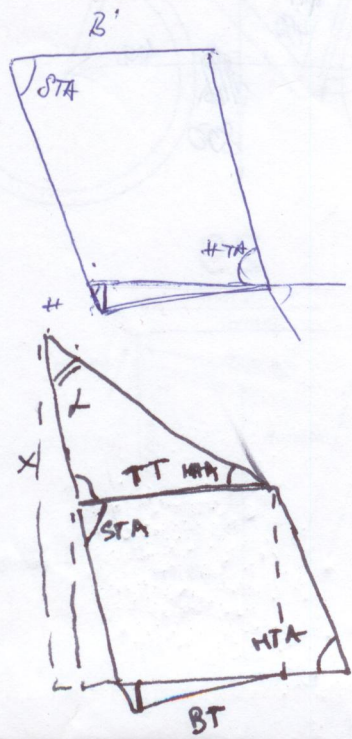$P_4 \Rightarrow$ $w = w_{P1} - (ST * cos(STA))$ $h = h_{P1} - (ST * sin(STA))$

$P_5 \Rightarrow$ $w = w_{P2} + WB$ $h = h_{P2}$

$P_6 \Rightarrow$ $w = w_{P1} + RE$ $h = h_{P1} - BB - ST$

$P_7 \Rightarrow$ $w = w_{P6} + HT * cos(HTA)$ $h = h_{P6} + HT * sin(HTA)$

$$AB = \frac{TT \cdot \sin HTA}{\sin (STA - HTA)} \cdot \sin STA$$

$$\alpha = 180 - HTA - 180 + SPA = SPA - HTA$$

$$\boxed{\frac{TT}{\sin \alpha} = \frac{x}{\sin HTA}}$$

$$x = \qquad \alpha \cong 180 - STA$$
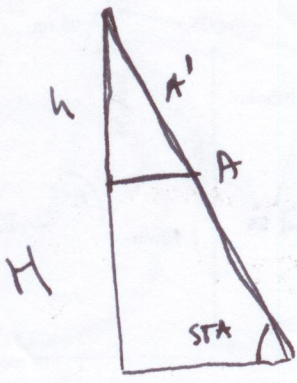
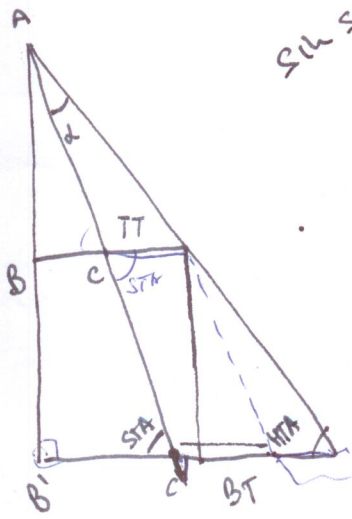$$A = (TT + BT) \cdot \frac{\sin HTA}{\sin (SPA - HTA)}$$

$$A' =$$

$$\sin STA = \frac{AB}{AC}$$

$$\sin STA = \frac{AB}{AC}$$
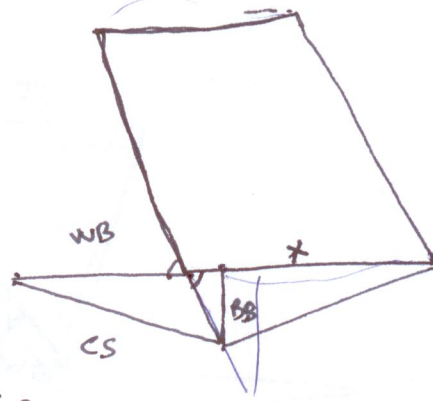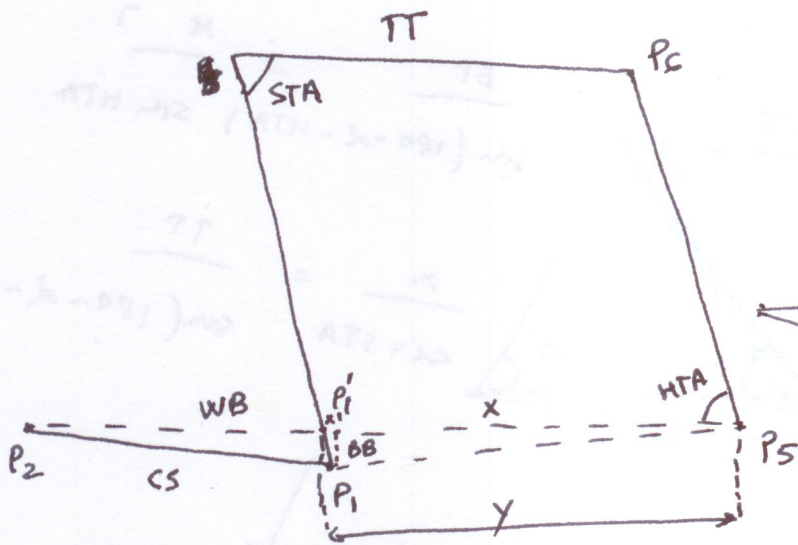
$$tg\, HTA = \frac{SK}{2}$$

$$\sqrt{CS^2 - BB^2}$$
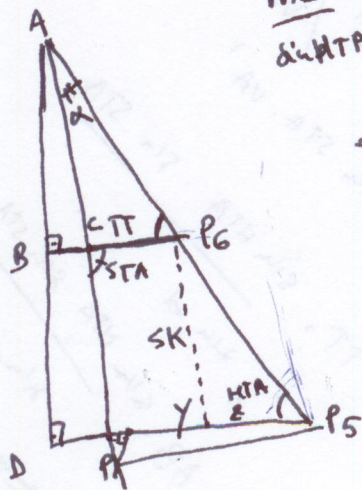
$$\sin STA = \frac{AB}{AC}$$

$$AB = AC \cdot \sin STA$$

$$cs^2 = BB^2 + (WB - x)^2 \implies x = WB - \sqrt{cs^2 - BB^2}$$

$$x' = BB * ctg\ STA$$

$$y = x + x'$$

$$\frac{AC}{\sin HTA} = \frac{TT}{\sin \alpha} \qquad \alpha = STA - HTA$$

$$\Leftrightarrow \quad \frac{AC}{\sin HTA} = \frac{TT}{\sin(STA - HTA)}$$

$$\boxed{AC = \frac{TT \cdot \sin HTA}{\sin(STA - HTA)}}$$

$$AB = \frac{AC \cdot \sin STA}{\sin STA} \implies \boxed{AB = TT \cdot \frac{\sin HTA \cdot \sin STA}{\sin STA \cdot \sin(STA - HTA)}}$$

$$AP1 = \frac{y \cdot \sin HTA}{\sin(STA - HTA)} \qquad AD = \frac{AP1}{\sin STA}$$

$$\boxed{SK = (Y - TT) \cdot \frac{\sin HTA \cdot \sin STA}{\sin STA \cdot \sin(STA - HTA)}}$$

$$\boxed{RE = x - SK \cdot ctg\ HTA}$$