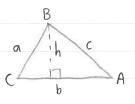
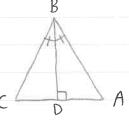
1. The asinc 
$$K = \frac{1}{2} \left( \frac{\sin \beta}{\sin A} \right) a \cdot h$$



$$\frac{\sin \angle BDA}{BA} = \frac{\sin \angle DBA}{DA}$$

$$\frac{\sin \angle BDC}{BC} = \frac{\sin \angle CBD}{CD}$$

$$\frac{BC}{BA} = \frac{CD}{DA}$$



## U, P, C = 3PCC

3. 
$$(x^2 = (\frac{c}{2})^2 + b^2 - 2(\frac{c}{2}) \cdot b \cdot \cos A$$

$$\cos A = \frac{a^2 - b^2 - c^2}{-2cb} = \frac{b^2 + c^2 - a^2}{2cb}$$

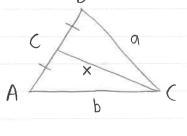
$$x^2 = \frac{1}{4}c^2 + b^2 - cb \cdot \frac{b^2 + c^2 - a^2}{2cb}$$

$$x^2 = \frac{1}{4}c^2 + b^2 + \frac{1}{2}q^2 - \frac{1}{2}b^2 - \frac{1}{2}c^2$$

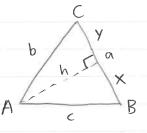
$$\chi^2 = \frac{1}{2}\alpha^2 + \frac{1}{2}b^2 - \frac{1}{4}c^2$$

$$X = \sqrt{\frac{1}{4}(2a^2 + 2b^2 - c^2)}$$

$$X = \frac{1}{2} \sqrt{2a^2 + 2b^2 - c^2}$$



$$= \frac{Q}{\frac{\cos B}{\sin B} + \frac{\cos C}{\sin B}} = \frac{Q}{\frac{x \cdot E}{\sin B} + \frac{y \cdot E}{\sin B}} = \frac{Q}{\frac{x \cdot Y}{\sin B}}$$



5. 
$$\cos X = \frac{8x}{2}$$
,  $\cos X = \frac{5x}{y}$ 

$$RS^2 = x^2(0S^2X) \rightarrow RS = x \cdot \cos X$$

