



$$\text{ÁREA DEL TRIANGULO} = A = \frac{(s+h)x}{2}$$

$$\Rightarrow \boxed{h = \frac{2A - s}{x}}$$

$$\Rightarrow A_1 = \frac{hs}{2} = \frac{As - \frac{s^2}{2}}{x}$$

$$A_2 = s^2$$

$$A_3 + A_4 = \frac{s(x-s)}{2} = \frac{xs - s^2}{2}$$

$$\Rightarrow A = A_1 + A_2 + A_3 + A_4 = \frac{As}{x} - \frac{s^2}{2} + \cancel{s^2} + \frac{xs}{2} - \frac{s^2}{2} = \left(\frac{A}{x} + \frac{x}{2} \right) s$$

$$\Rightarrow s = \frac{2Ax}{x^2 + 2A} //$$