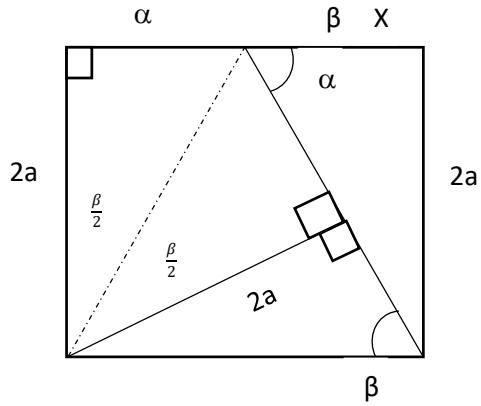


Trigo 4

In a rectangular we have 4 triangles a is parameter,

Find $x = ?$



$$\operatorname{tg} \frac{\beta}{2} = \frac{2a}{2} = \frac{1}{2}$$

$$\operatorname{tg} \beta = \frac{2 \cdot \frac{1}{2}}{1 - \frac{1}{4}} = \frac{\frac{1}{3}}{\frac{3}{4}} = \frac{4}{3}$$

$$\operatorname{tg} \beta = \frac{2a}{x} = \frac{4}{3}$$

$$x = \frac{4}{3} \cdot 2a = \frac{8}{3} a$$