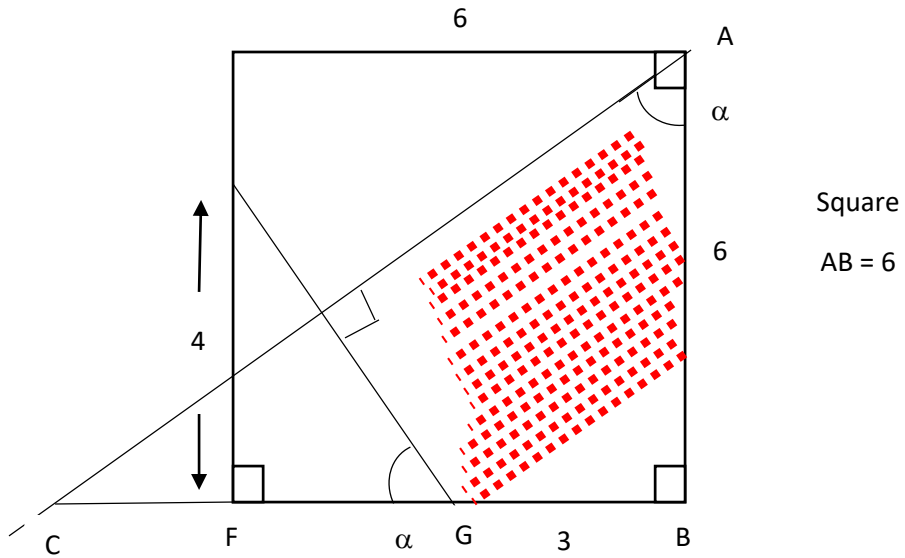


Trigo square



$$\tan \alpha = \frac{4}{FG} \quad FG = 6 - 3 = 3$$

$$\tan \alpha = \frac{4}{3}$$

$$\tan \alpha = \frac{BC}{AB} = \frac{BC}{6} = \frac{4}{3}$$

$$BC = \frac{4}{3} \cdot 6 = 8$$

$$(AC)^2 = (AB)^2 + (BC)^2$$

$$(AC)^2 = 6^2 + 8^2$$

$$(AC)^2 = 100$$

$$AC = 10$$

