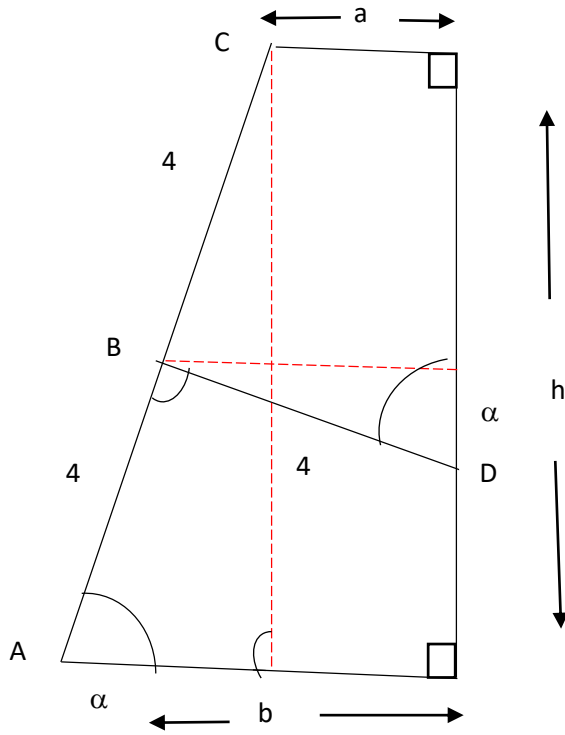


“trigo” Area



Given Trapezoil

$$AB = BC = BD = 4$$

$$\alpha > 45^\circ$$

$$\frac{a+b}{2} = 4 \cdot \sin\alpha$$

$$h = 8 \cdot \sin\alpha$$

$$\begin{aligned} \text{Area} &= \frac{a+b}{2} \cdot h \\ &= (4 \cdot \sin\alpha) \cdot (8 \cdot \sin\alpha) \\ &= 32 \sin^2\alpha \end{aligned}$$