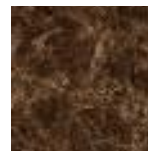Alumno: Jorge Iván sosa guillen

Carrera: Arquitectura
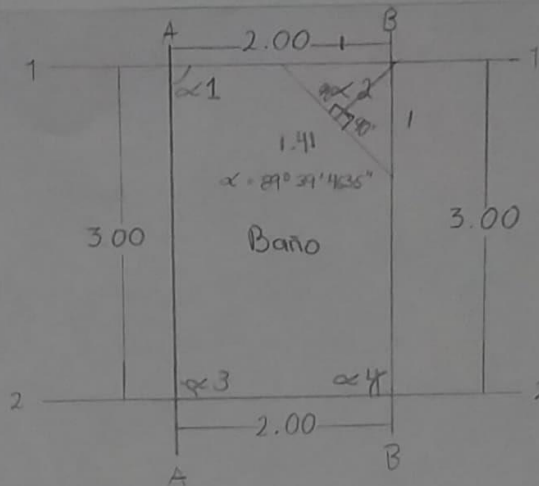
Cuatrimestre: 4 to

Catedrático: pedro Alberto García López

Materia: topografía

Actividad: calcular los ángulos con razones trigonométricas

$\alpha1$ = $\operatorname{Sen} \dfrac{\theta}{2}$ = $\dfrac{0.705}{1}$

$\operatorname{Sen} \dfrac{\theta}{2}$ = 0.705 ∴ $\dfrac{\theta}{2}$ = $44°49'4636''$

$\theta = 89°39'82.72''$

$\alpha2$ = $\operatorname{Sen} \dfrac{\theta}{2}$ = 0.705

$\operatorname{Sen} \dfrac{\theta}{2}$ = 0.705 ∴ $\dfrac{\theta}{2}$ = $44°49'4636''$

$\theta = 89°39'82.72''$

$\alpha3$ = $\operatorname{Sen} \dfrac{\theta}{2}$ = 0.705 ∴ $\dfrac{\theta}{2}$ = $49°49'4636''$

$\theta = 89°39'4636''$

$\alpha4$ = $\operatorname{Sen} \theta$ = 0.705 ∴ $\dfrac{\theta}{2}$ = $49°49'4636''$

$\theta = 89°39'4636''$

Diagram labels: A, B (top), 4.50, 1, 1, $\alpha 2$, 3.00, 2 45, sala, 0.50, 1.40, $\alpha 3$, 4.00, 2, A, B

$\boxed{\alpha 1} = \operatorname{sen}\frac{\theta}{2} = 0.75 \qquad \text{8.} \operatorname{sen}\frac{\theta}{2} = 0.75$

$\frac{\theta}{2} = 48°35'25.36'' \qquad \text{8..} \quad \underline{\theta = 97°10'50.72''}$

$\boxed{\alpha 2} = \operatorname{sen}\frac{\theta}{2} = 0.60 \qquad \text{8.} \operatorname{sen}\frac{\theta}{2} = 0.66$

$\frac{\theta}{2} = 41°17'59.54° \qquad \therefore \quad \underline{\theta = 82°35'59.08''}$

$\boxed{\alpha 3} = \operatorname{sen}\frac{\theta}{2} = \frac{0.7}{1} \qquad \therefore \operatorname{sen}\frac{\theta}{2} = 0.7$

$\frac{\theta}{2} = 44°25'37.21'' \qquad \therefore \quad \underline{\theta = 88°51'14.43°}$

$\boxed{\alpha 4} = \operatorname{sen}\frac{\theta}{2} = \frac{0.7}{1} \qquad \therefore \operatorname{sen}\frac{\theta}{2} = 0.7$

$\frac{\theta}{2} = 44°25'37.21'' \qquad \therefore \quad \underline{\theta = 88°51'14.43°}$

Figure: Plano con puntos A, B, medidas 3.80, 3.00, 2.95, 3.80, ángulos α_1, α_2, α_3, α_4, área rotulada "cocina".

$$\boxed{\alpha_1} = \quad sen\frac{\theta}{2} = \frac{0.7}{1} \quad \therefore \quad sen\frac{\theta}{2} = 0.7$$

$$\frac{\theta}{2} = 44°25'37.21'' \quad \therefore \quad \underline{\theta = 88°51'14.43''} \,/\!/$$

$$\boxed{\alpha_2} = sen\frac{\theta}{2} = \frac{0.725}{1} \quad \therefore \quad sen\frac{\theta}{2} = 0.725$$

$$\frac{\theta}{2} = 46°28'7.85'' \quad \therefore \quad \underline{\theta = 88°51'14.43''} \,/\!/$$

$$\boxed{\alpha_3} = Sen\frac{\theta}{2} = \frac{0.7}{1} \quad \therefore \quad Sen\frac{\theta}{2} = 0.7$$

$$\frac{\theta}{2} = 44°25'37.21'' \quad \therefore \quad \underline{\theta = 88°51'14.43''} \,/\!/$$

$$\boxed{\alpha_4} = sen\frac{\theta}{2} = \frac{0.725}{1} \quad \therefore \quad sen\frac{\theta}{2} = 0.725$$

$$\frac{\theta}{2} = 46°28'7.85'' \quad \therefore \quad \underline{\theta = 88°51'14.43''} \,/\!/$$