



**Mi Universidad**

*Nombre del Alumno: Diego Eduardo Cruz Aguilar*

*Parcial 4*

*Nombre de la Materia geometría y trigonometría*

*Nombre del profesor Sebastián*

*Nombre de la Licenciatura bachillerato en recursos humanos*

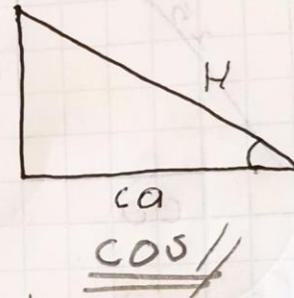
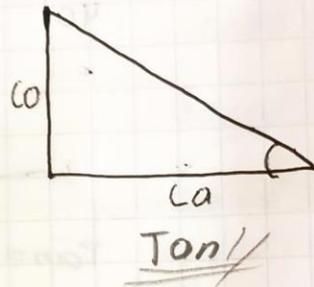
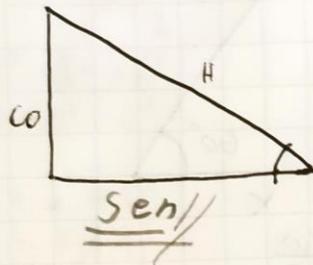
*Cuatrimestre 2*

Observa las siguientes imágenes y selecciona la razón trigonométrica que corresponde

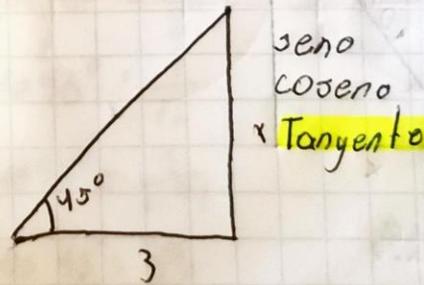
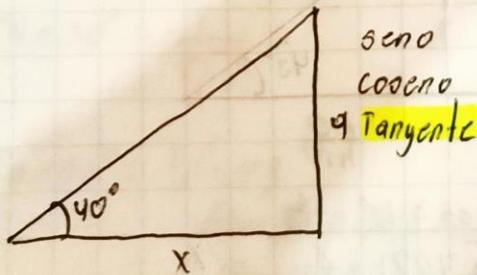
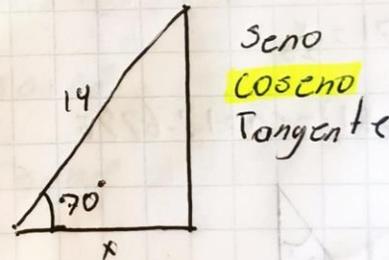
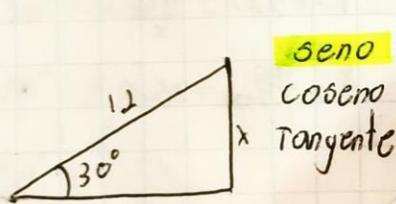
"Sen"

"Cos"

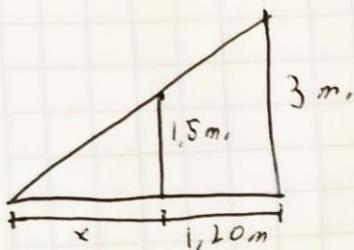
"Tan"



selecciona la función trigonométrica asociado a los datos del triángulo



Resuelve los ejercicios sobre el teorema de Tales

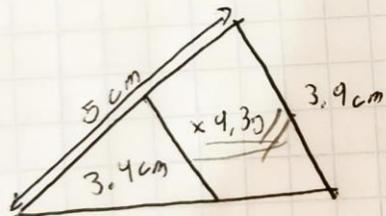


0.6

$$\frac{1.5}{x} = \frac{3}{1.20}$$

$$1.8 = 3x$$

$$\frac{1.8}{3} = x = 0.6$$

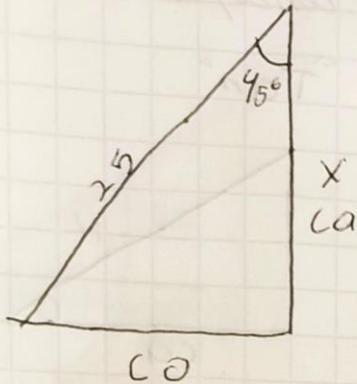


$$\frac{x}{3.4} = \frac{7.5}{3.9}$$

$$17 = 3.9x$$

$$\frac{17}{3.9} = x = 4.35$$

Calcula el valor faltante

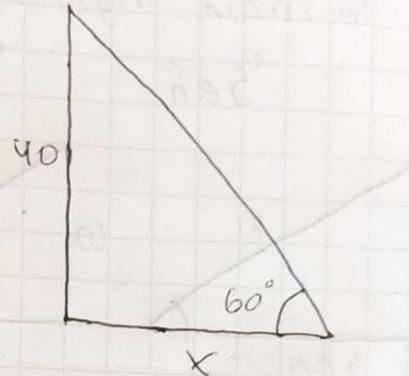


$$\cos = \frac{ca}{h.i.o}$$

$$\cos 45^\circ = \frac{x}{25}$$

$$0.7071 = \frac{x}{25}$$

$$25(0.7071) = ca = 17.6775$$

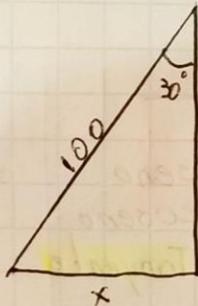


$$\tan = \frac{ca}{co}$$

$$\tan 60^\circ = \frac{40}{x}$$

$$1.7321 = \frac{40}{x}$$

$$x = \frac{40}{1.7321} = 23.09$$

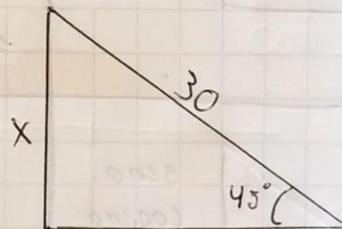


$$\text{seno} = \frac{ca}{h.i.o}$$

$$\text{sen } 30^\circ = \frac{x}{100}$$

$$0.50000 = \frac{x}{100}$$

$$100(0.50000) = ca = 50$$



$$\text{seno} = \frac{ca}{h.i.o}$$

$$\text{sen } 45^\circ = \frac{x}{30}$$

$$0.7071 = \frac{x}{30}$$

$$30(0.7071) = ca = 21.213$$