



Nombre del Alumno María José Albores Escalante

Nombre del tema Segunda unidad

Parcial 2

Nombre de la Materia Geometría y trigonometría

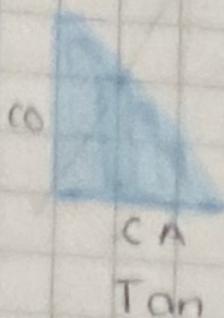
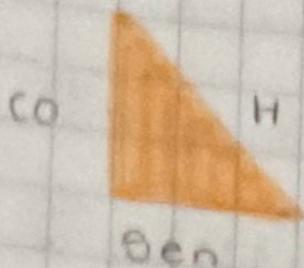
Nombre del profesor Jorge Sebastián Domínguez Torres

Nombre de la Licenciatura Bachillerato en recursos humanos

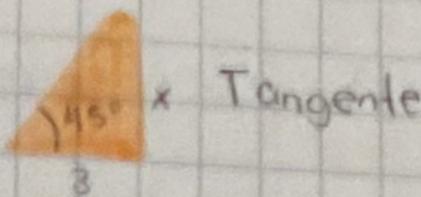
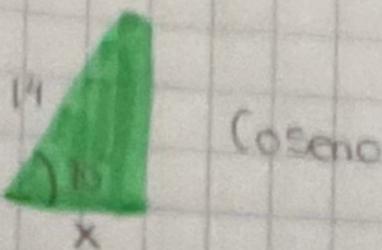
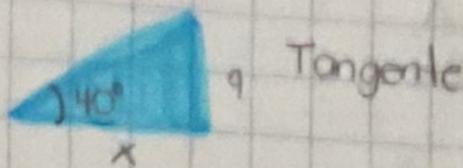
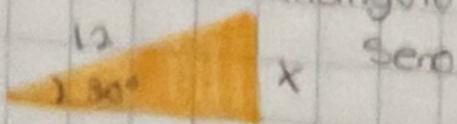
Cuatrimestre 2

Ejercicios

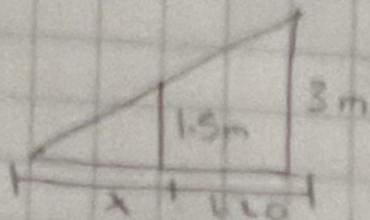
1. Observa las siguientes imágenes y selecciona la razón trigonométrica que corresponde.



2. Selecciona la función trigonométrica asociado a los datos del triángulo.



Resuelve los ejercicios sobre el teorema de Tales

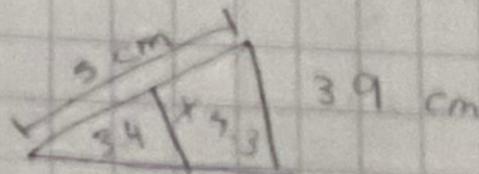


0.6

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

$$1.8 = 3x$$

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



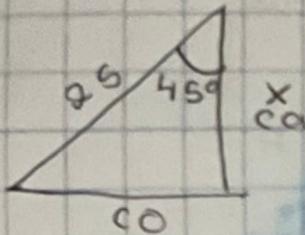
$$\frac{x}{3.4} = \frac{3.9}{5.3 + x}$$

$$17 = 3.9x$$

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

Ejercicios

Calcula el valor faltante

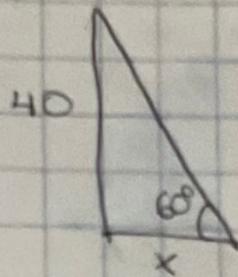


$$\cos = \frac{ca}{hip}$$

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

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

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

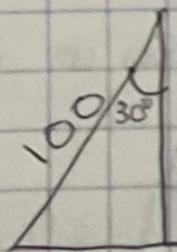


$$\tan = \frac{ca}{co}$$

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

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

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

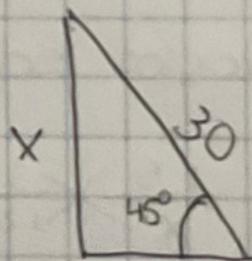


$$\text{seno} = \frac{ca}{hip}$$

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

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

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



$$\text{Sen} = \frac{ca}{hip}$$

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

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

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