Nombre de alumno:

José Manuel Martínez Valdez

Nombre del profesor:

Jorge Sebastián Domínguez Torres

Actividad 4

Materia: Geometría y Trigonometría

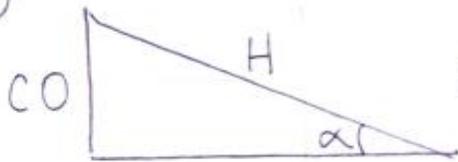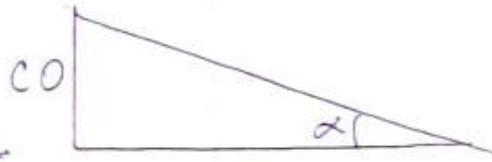**Segundo cuatrimestre**

Bachillerato en Recursos Humanos

Comitán de Domínguez Chiapas a 1 de Abril de 2023.

José Manuel Martínez Valdez

①

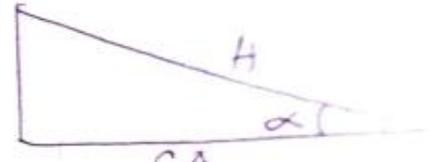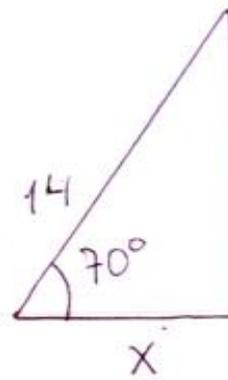CO | H | α — Sen $\dfrac{CO}{H}$

CO | α — Tan $\dfrac{CA}{CO}{CA}$

H | α | CA — Cos $= \dfrac{CA}{H}$

②

Seno

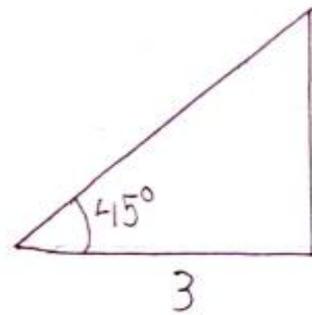12 / 30° / X
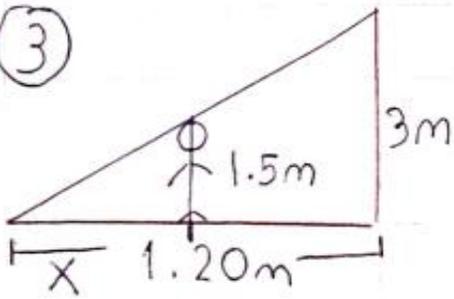
Coseno

14 / 70° / X
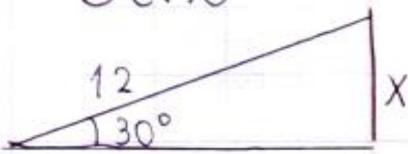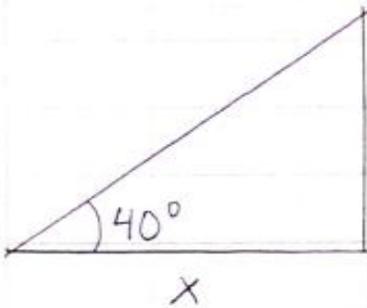
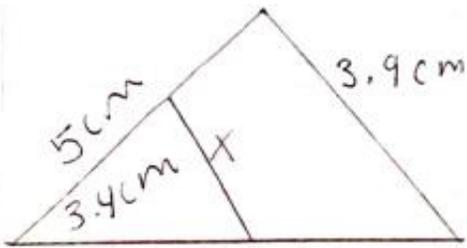9 Tangente
40° / X

X Tangente
45° / 3

③

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

$$(1.5)(1.20) = (3)(x)$$

$$1.8 = 3x$$

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

$$0.60 = x$$

$$0.60 = X$$
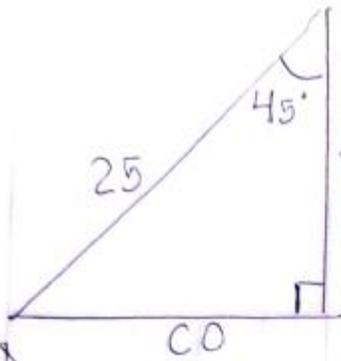

$$\frac{x}{3.4} = \frac{5}{3.9}$$

$$(3.4)(5) = (x)(3.9)$$

$$17 = 3.9x$$

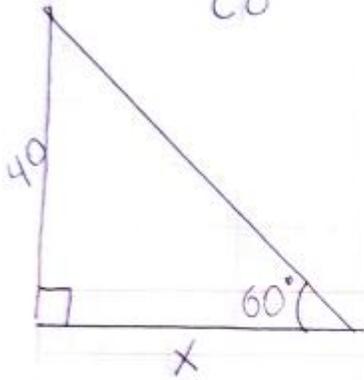$$\frac{17}{3.9} = x$$

$$X = 4.3589$$

Triangle 1 (45°, hypotenuse 25):

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

$$\cos\sphericalangle 45° = \frac{x}{25}$$

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

$$25(0.7071) = x$$

$$x = 17.6775$$

Triangle 2 (60°, side 40):

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

$$\tan\sphericalangle 60° = \frac{40}{x}$$

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

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

$$x = 23.0933$$

Triangle 3 (30°, hypotenuse 100):

$$Sen = \frac{co}{H}$$

$$sen\sphericalangle 30° = \frac{x}{100}$$

$$0.500 = \frac{x}{100}$$

$$(100)(0.5) = x$$

$$x = 50$$

Triangle 4 (45°, side 30):

$$sen = \frac{co}{H}$$

$$sen\sphericalangle 45° = \frac{x}{30}$$

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

$$(30)(0.7071) = x$$

$$x = 21.213$$