

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

Sen

Cos

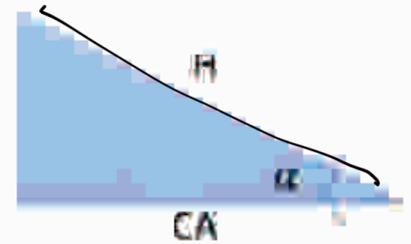
Tan



Cos



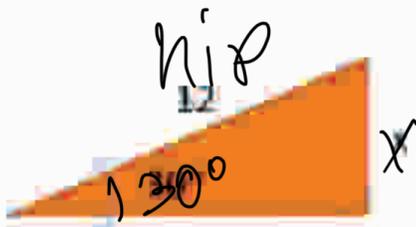
Tan



Sen

Recuerda: CO=Coteno opuesto, CA=Coteno adyacente, H=Hipotenusa

2- Selecciona la función trigonométrica asociada a los datos del triángulo



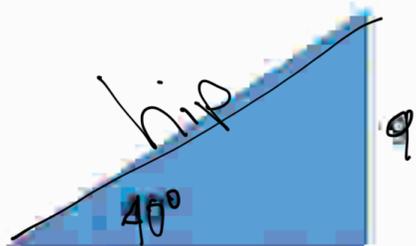
Coseno

- seno
- coseno**
- tangente



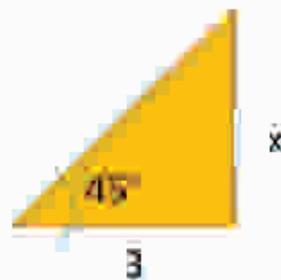
seno

- seno**
- coseno
- tangente



Coseno

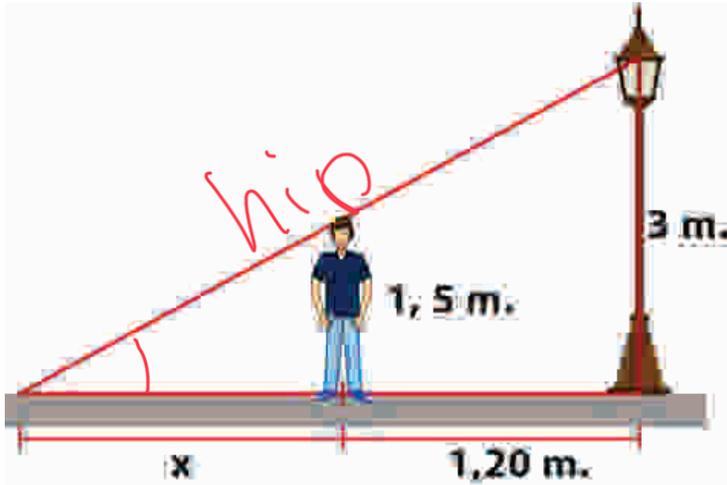
- seno
- coseno**
- tangente



seno

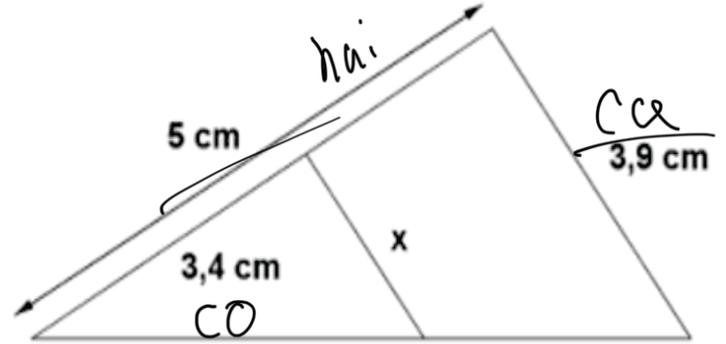
- seno**
- coseno
- tangente

Resuelve los siguientes ejercicios sobre el Teorema de Tales



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

$$5x = 1.8 \Rightarrow x = 0.36$$

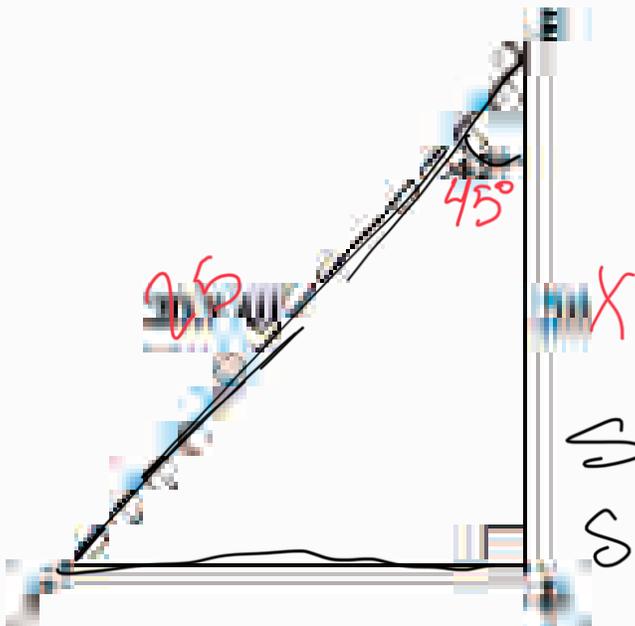


$$\frac{G}{P} = \frac{3.4}{5} = \frac{x}{3.9}$$

$$3.9x = \frac{17}{3.9} \Rightarrow 4.358$$

4

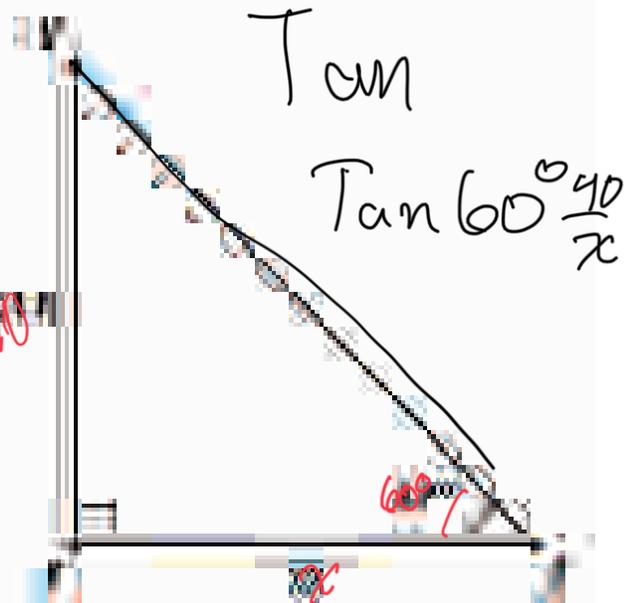
Calcula los valores de las funciones trigonométricas



$$\text{Sen} = \frac{25}{25}$$

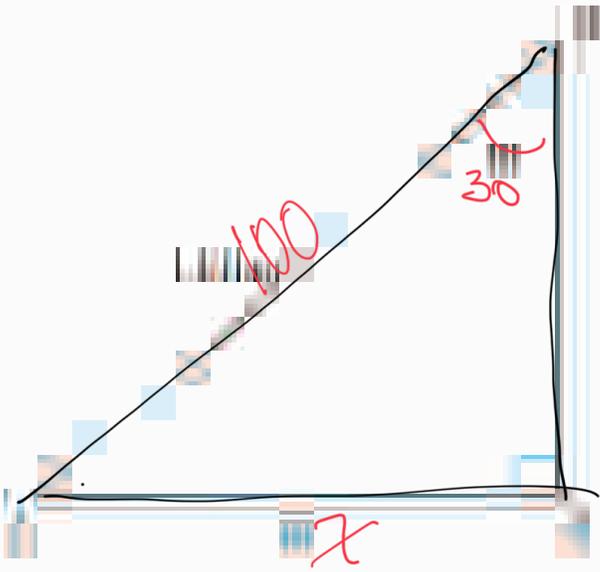
$$\text{Sen } 45^\circ = \frac{x}{25}$$

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



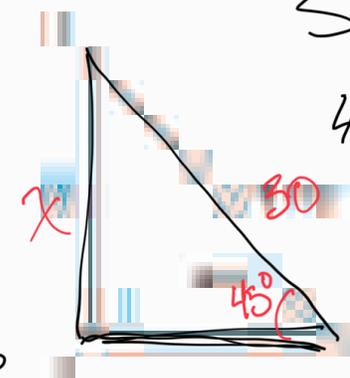
$$\text{Tan } 60^\circ = \frac{2400}{x}$$

$$x = \frac{2400}{\text{Tan } 60^\circ} = 1385.64$$



0.98

cos
 $x = \frac{100}{\cos 30^\circ}$



sin

$\frac{x}{30} = \sin 45^\circ$

0.473