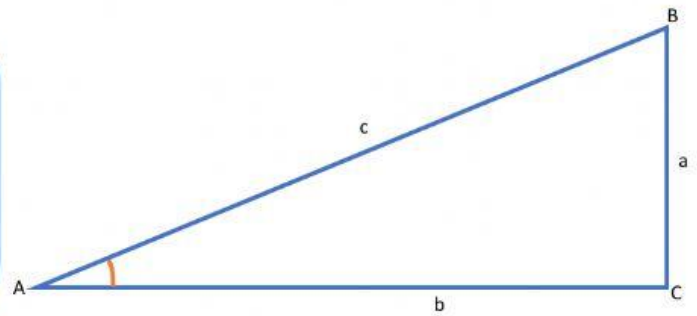


Razones trigonométricas.

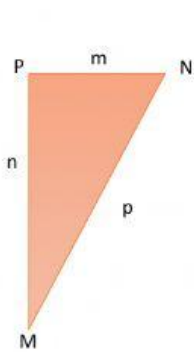
En un triángulo rectángulo se dice que:

$$\begin{aligned} \text{Sen } A &= \frac{\text{cateto opuesto}}{\text{hipotenusa}} = \frac{a}{c} & \text{Cot } A &= \frac{\text{cateto adyacente}}{\text{cateto opuesto}} = \frac{b}{a} \\ \text{Cos } A &= \frac{\text{cateto adyacente}}{\text{hipotenusa}} = \frac{b}{c} & \text{Sec } A &= \frac{\text{hipotenusa}}{\text{cateto adyacente}} = \frac{c}{b} \\ \text{Tan } A &= \frac{\text{cateto opuesto}}{\text{cateto adyacente}} = \frac{a}{b} & \text{Csc } A &= \frac{\text{hipotenusa}}{\text{cateto opuesto}} = \frac{c}{a} \end{aligned}$$

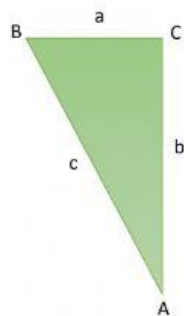


Donde cateto opuesto, cateto adyacente e hipotenusa se refieren a las dimensiones de un triángulo rectángulo.

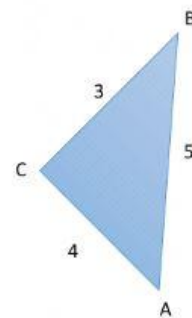
Completa las razones en los siguientes triángulos rectángulos.



$$\begin{aligned} \text{Sen } M &= \text{---} \\ \text{Cos } M &= \text{---} \\ \text{Tan } M &= \text{---} \\ \text{Cot } M &= \text{---} \\ \text{Sec } M &= \text{---} \\ \text{Csc } M &= \text{---} \end{aligned}$$

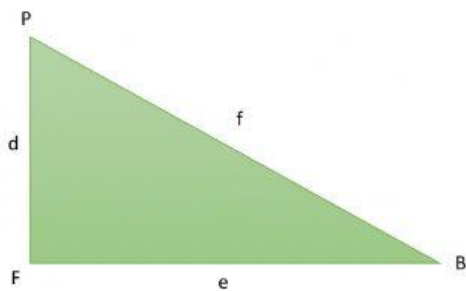


$$\begin{aligned} \text{Sen } B &= \text{---} \\ \text{Cos } B &= \text{---} \\ \text{Tan } B &= \text{---} \\ \text{Cot } B &= \text{---} \\ \text{Sec } B &= \text{---} \\ \text{Csc } B &= \text{---} \end{aligned}$$



$$\begin{aligned} \text{Sen } B &= \text{---} = \text{---} \\ \text{Cos } B &= \text{---} = \text{---} \\ \text{Tan } B &= \text{---} = \text{---} \\ \text{Cot } B &= \text{---} = \text{---} \\ \text{Sec } B &= \text{---} = \text{---} \\ \text{Csc } B &= \text{---} = \text{---} \end{aligned}$$

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$$\text{Sen } B = \text{---}$$

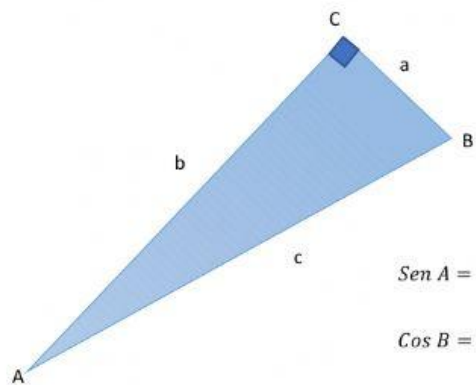
$$\text{Cos } B = \text{---}$$

$$\text{Tan } B = \text{---}$$

$$\text{Cot } B = \text{---}$$

$$\text{Sec } B = \text{---}$$

$$\text{Csc } B = \text{---}$$



$$\text{Sen } A = \text{---}$$

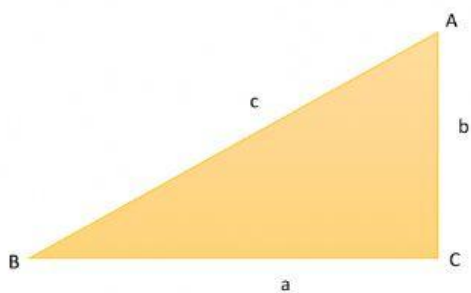
$$\text{Cos } B = \text{---}$$

$$\text{Tan } A = \text{---}$$

$$\text{Cot } B = \text{---}$$

$$\text{Sec } A = \text{---}$$

$$\text{Csc } B = \text{---}$$



$$\text{Sen } A = \text{---}$$

$$\text{Cos } B = \text{---}$$

$$\text{Tan } A = \text{---}$$

$$\text{Cot } B = \text{---}$$

$$\text{Sec } A = \text{---}$$

$$\text{Csc } B = \text{---}$$

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