



EJA

CANAL SEDUC-PI5



PROFESSOR (A):

**ALEXSANDRO
KESLLER**



DISCIPLINA:

MATEMÁTICA



AULA Nº:

05



CONTEÚDO:

**TRIÂNGULO
RETÂNGULO**

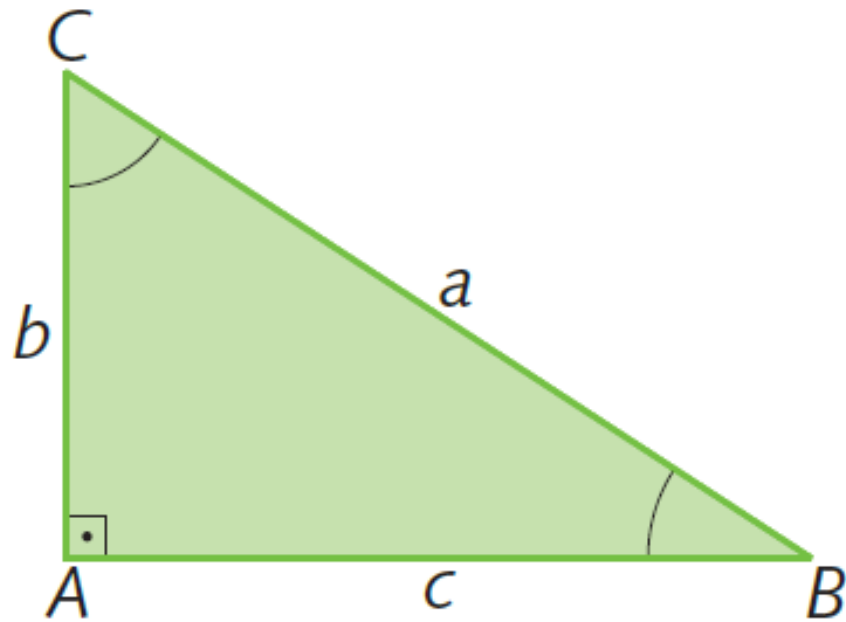


DATA:

14/05/2020

ATIVIDADE

01. Determine as seguintes razões trigonométricas



$$\text{sen } \hat{C} =$$

$$\text{cos } \hat{C} =$$

$$\text{tg } \hat{C} =$$

ATIVIDADE

$\sin \theta = \frac{CO}{HIP}$

$\cos \theta = \frac{CA}{HIP}$

$\operatorname{tg} \theta = \frac{CO}{CA}$

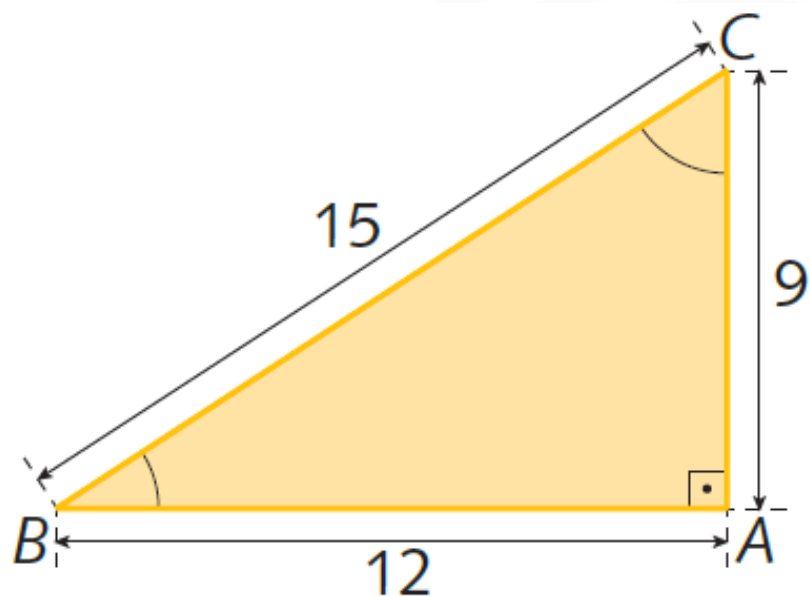
$\sin \hat{C} = \frac{c}{a}$

$\cos \hat{C} = \frac{b}{a}$

$\operatorname{tg} \hat{C} = \frac{c}{b}$

ATIVIDADE

02. Com base no triângulo ABC , vamos calcular o seno, o cosseno e a tangente dos ângulos agudos.



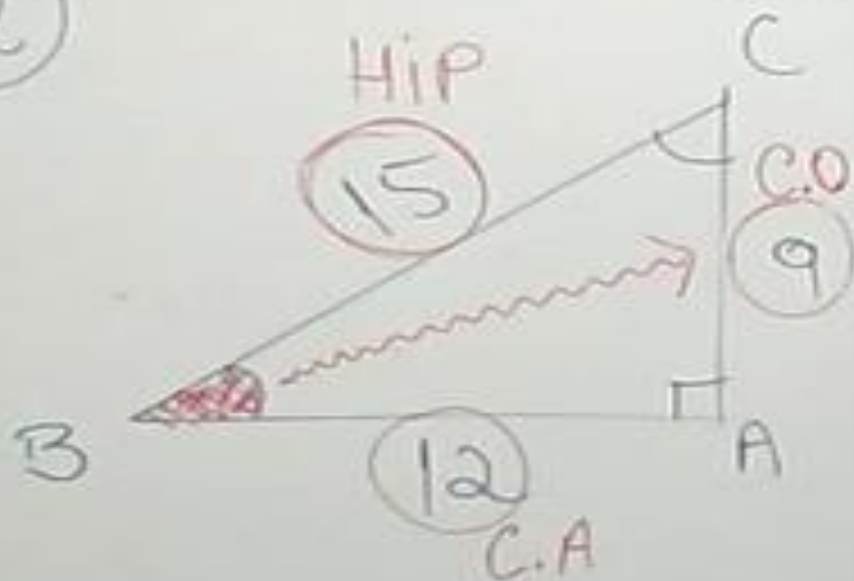
$$\text{sen } \hat{B} =$$

$$\text{cos } \hat{B} =$$

$$\text{tg } \hat{B} =$$

ATIVIDADE

②



$$\sin \theta = \frac{C.O.}{HIP}$$

$$\cos \theta = \frac{C.A.}{HIP}$$

$$\text{tg} \theta = \frac{C.O.}{C.A.}$$

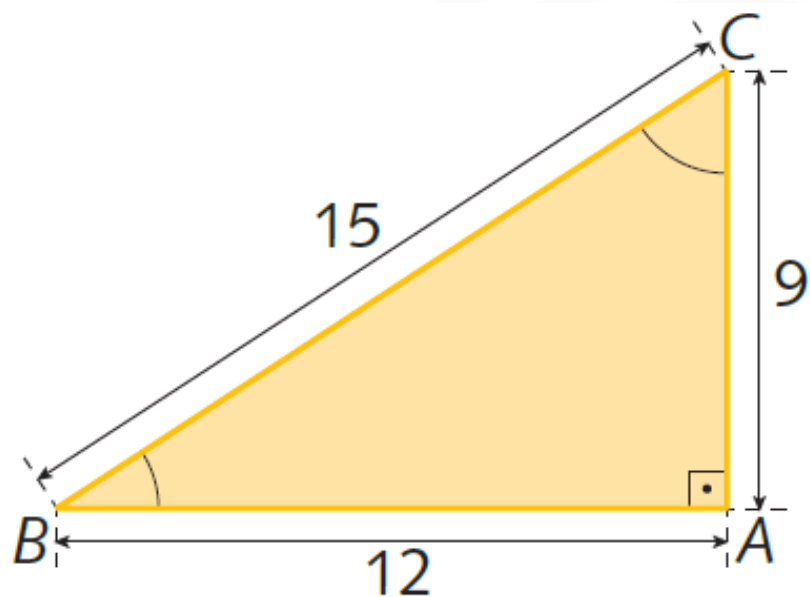
$$\sin \hat{B} = \frac{9 \div 3}{15 \div 3} = \frac{3}{5}$$

$$\cos \hat{B} = \frac{12 \div 3}{15 \div 3} = \frac{4}{5}$$

$$\text{tg} \hat{B} = \frac{9 \div 3}{12 \div 3} = \frac{3}{4}$$

ATIVIDADE

02. Com base no triângulo ABC , vamos calcular o seno, o cosseno e a tangente dos ângulos agudos.



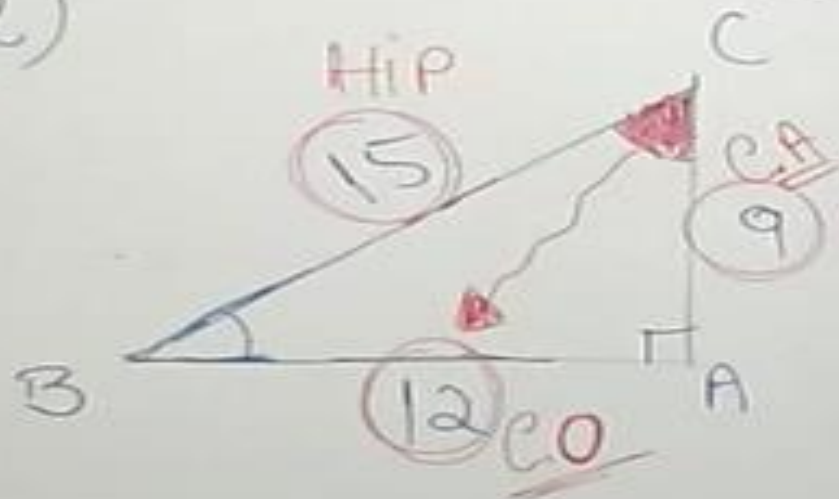
$$\text{sen } \hat{C} =$$

$$\text{cos } \hat{C} =$$

$$\text{tg } \hat{C} =$$

ATIVIDADE

(2)



$$\sin \theta = \frac{\text{C.O.}}{\text{HIP}}$$

$$\cos \theta = \frac{\text{CA}}{\text{HIP}}$$

$$\tan \theta = \frac{\text{CO}}{\text{CA}}$$

$$\sin \hat{C} = \frac{12 \div 3}{15 \div 3} = \frac{4}{5}$$

$$\cos \hat{C} = \frac{9 \div 3}{15 \div 3} = \frac{3}{5}$$

$$\tan \hat{C} = \frac{12 \div 3}{9 \div 3} = \frac{4}{3}$$

Tabela de arcos notáveis

Tabela dos valores trigonométricos de ângulos notáveis.

x	30°	45°	60°
$\text{sen } x$			
$\text{COS } x$			
$\text{tg } x$			

AL
cação
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TABELA DE ARCOS NOTÁVEIS *

	30°	45°	60°
sen	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
cos	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
tg	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$