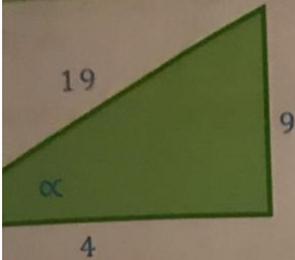
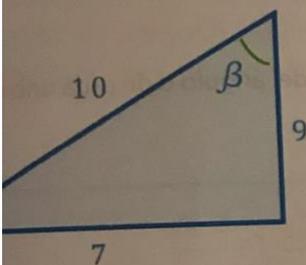


1 Hallar las razones trigonométricas.



$$\begin{aligned} \text{Sen } \alpha &= \frac{9}{19} = 0,47 & \text{Csc } \alpha &= \frac{19}{9} = 2,11 \\ \text{Cos } \alpha &= \frac{4}{19} = 0,21 & \text{Sec } \alpha &= \frac{19}{4} = 4,75 \\ \text{Tan } \alpha &= \frac{9}{4} = 2,25 & \text{Cot } \alpha &= \frac{4}{9} = 0,44 \end{aligned}$$



$$\begin{aligned} \text{Sen } \beta &= \frac{9}{10} = 0,9 & \text{Csc } \beta &= \frac{10}{9} = 1,11 \\ \text{Cos } \beta &= \frac{7}{10} = 0,7 & \text{Sec } \beta &= \frac{10}{7} = 1,42 \\ \text{Tan } \beta &= \frac{9}{7} = 1,28 & \text{Cot } \beta &= \frac{7}{9} = 0,77 \end{aligned}$$

Realizar las siguientes operaciones.

$\text{Cot } 30^\circ + \text{Tan } 30^\circ$

$$\frac{3}{\sqrt{3}} + \frac{\sqrt{3}}{3}$$

c $\text{Sen } 30^\circ + \text{Cos } 30^\circ$

$$\frac{1}{2} + \frac{\sqrt{3}}{2}$$

e $\text{Cot } 60^\circ + \text{Csc } 60^\circ$

$$\frac{\sqrt{3}}{3} + \frac{\sqrt{3}}{2}$$

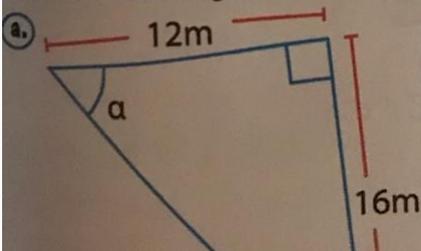
$\text{Sec } 30^\circ - \text{Cot } 60^\circ$

$$\frac{2}{\sqrt{3}} - \frac{\sqrt{3}}{3} = \frac{\sqrt{3}}{3}$$

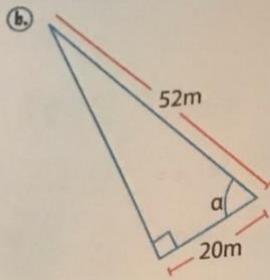
d $\text{Cos } 60^\circ + \text{Tan } 45^\circ$

$$\frac{1}{2} + 1 = \frac{3}{2}$$

Halla las razones trigonométricas del ángulo α en cada triángulo rectángulo.



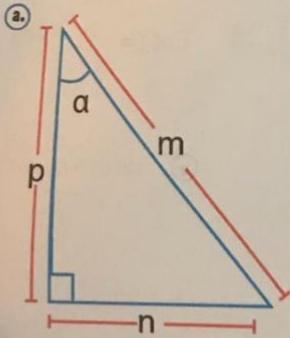
$$\begin{aligned} \text{Cos } \alpha &= \frac{12}{20} = 0,6 \\ \text{Sec } \alpha &= \frac{20}{12} = \frac{5}{3} \end{aligned}$$



$$\text{Sec} = \frac{52}{20} = \left(\frac{13}{5}\right)$$

$$\text{Cos} = \frac{20}{52} = \left(\frac{5}{13}\right)$$

3. Escribe, en función de m, n y p, el seno, el coseno y la tangente del ángulo α de cada uno de los triángulos rectángulos que se muestran a continuación.

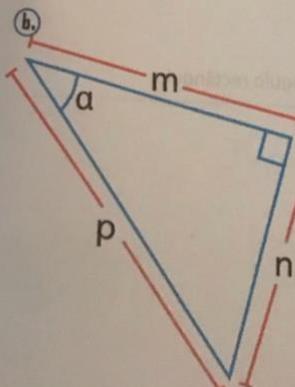


$$\frac{n}{p} = \text{Tangente}$$

$$\frac{p}{m} = \text{Coseno}$$

$$\frac{m}{n} = \text{Seno}$$

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$$\frac{m}{p} = \text{Seno}$$

$$\frac{n}{p} = \text{Coseno}$$

1. Hay diferen-
lados, 3/2
trazado e

a. Isósceles

2. Entre las
Campos
dos prim
del Este.

Para viajar
ángulo d

a. f

3. Del tri

a.
b.
c.
d.