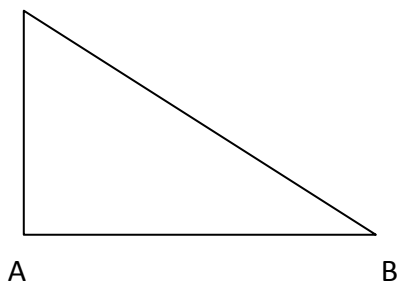


01 C



$$a = 40 \text{ m}$$

$$\text{sen } \beta = 0.42$$

$$b = \underline{\hspace{2cm}}$$

$$\cos \beta = \underline{\hspace{2cm}}$$

$$c = \underline{\hspace{2cm}}$$

$$\text{tag } \beta = \underline{\hspace{2cm}}$$

$$\alpha = 90^\circ$$

$$\text{sen } \gamma = \underline{\hspace{2cm}}$$

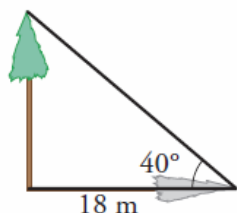
$$\beta = \underline{\hspace{2cm}}$$

$$\cos \gamma = \underline{\hspace{2cm}}$$

$$\gamma = \underline{\hspace{2cm}}$$

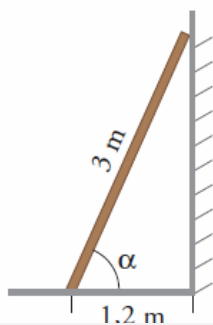
$$\text{tag } \gamma = \underline{\hspace{2cm}}$$

02 Cuando los rayos del sol forman 40° con el suelo, la sombra de un árbol mide 18 m. ¿Cuál es su altura?



SOL:

03 Una escalera de 3 m está apoyada en una pared. ¿Qué ángulo forma la escalera con el suelo si su base está a 1,2 m de la pared?



SOL:

04 Verdadero o Falso. Razona la respuesta:

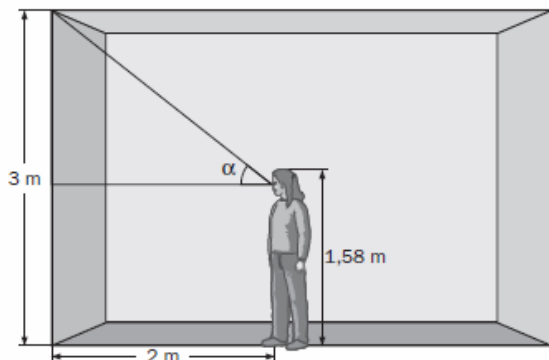
i) El coseno de un ángulo obtuso es positivo

ii) La tangente de un ángulo agudo más el seno de ese ángulo es siempre cero

iii) Si $\text{sen}(\alpha) = \cos(\alpha) = 1,1$ entonces $\text{tag}(\alpha) = 1,1$

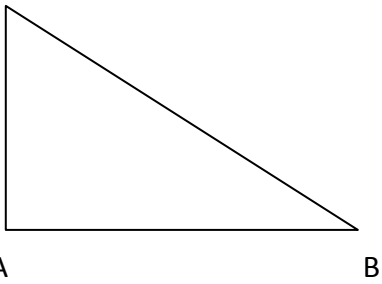
05 Inés mide 158 centímetros y la altura de su aula es de 3 metros.

Si se sitúa a 2 metros de la pared, ¿qué ángulo de elevación obtiene?



SOL:

06 C



$a = 10 \text{ m}$

$\text{sen } \beta = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$\cos \beta = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

$\text{tag } \beta = \underline{\hspace{2cm}}$

$\alpha = 90^\circ$

$\text{sen } \gamma = \underline{\hspace{2cm}}$

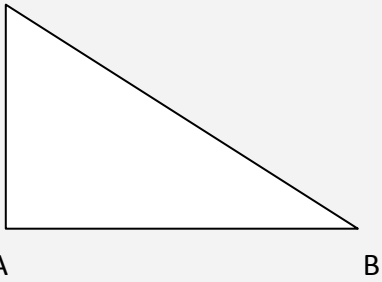
$\beta = \underline{\hspace{2cm}}$

$\cos \gamma = 0.58$

$\gamma = \underline{\hspace{2cm}}$

$\text{tag } \gamma = \underline{\hspace{2cm}}$

07 C



$a = \underline{\hspace{2cm}}$

$\text{sen } \beta = \underline{\hspace{2cm}}$

$b = 20 \text{ m}$

$\cos \beta = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

$\text{tag } \beta = \underline{\hspace{2cm}}$

$\alpha = 90^\circ$

$\text{sen } \gamma = \underline{\hspace{2cm}}$

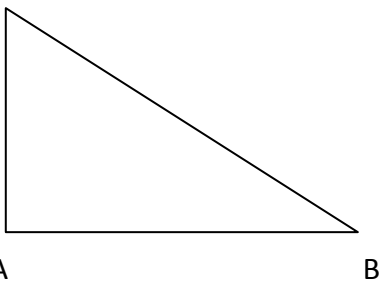
$\beta = 40^\circ$

$\cos \gamma = \underline{\hspace{2cm}}$

$\gamma = \underline{\hspace{2cm}}$

$\text{tag } \gamma = \underline{\hspace{2cm}}$

08 C



$a = 19 \text{ m}$

$\text{sen } \beta = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$\cos \beta = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

$\text{tag } \beta = 0.91$

$\alpha = 90^\circ$

$\text{sen } \gamma = \underline{\hspace{2cm}}$

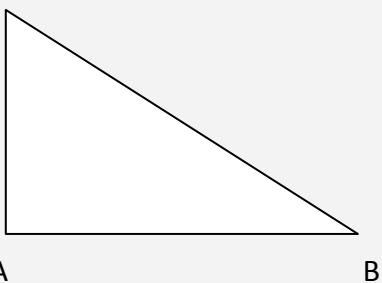
$\beta = \underline{\hspace{2cm}}$

$\cos \gamma = \underline{\hspace{2cm}}$

$\gamma = 70^\circ$

$\text{tag } \gamma = \underline{\hspace{2cm}}$

09 C



$a = 50 \text{ m}$

$\text{sen } \beta = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$\cos \beta = \underline{\hspace{2cm}}$

$c = 20 \text{ m}$

$\text{tag } \beta = \underline{\hspace{2cm}}$

$\alpha = 90^\circ$

$\text{sen } \gamma = \underline{\hspace{2cm}}$

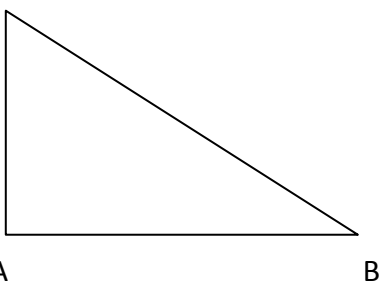
$\beta = 27^\circ$

$\cos \gamma = \underline{\hspace{2cm}}$

$\gamma = \underline{\hspace{2cm}}$

$\text{tag } \gamma = \underline{\hspace{2cm}}$

10 C



$a = 1000 \text{ m}$

$\text{sen } \beta = 0.10$

$b = \underline{\hspace{2cm}}$

$\cos \beta = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

$\text{tag } \beta = \underline{\hspace{2cm}}$

$\alpha = 90^\circ$

$\text{sen } \gamma = \underline{\hspace{2cm}}$

$\beta = \underline{\hspace{2cm}}$

$\cos \gamma = \underline{\hspace{2cm}}$

$\gamma = \underline{\hspace{2cm}}$

$\text{tag } \gamma = \underline{\hspace{2cm}}$

El hombre de negro ha contado varias veces hasta el infinito, CON DECIMALES

SI CALCULADORA - NOTA MÁXIMA: 10 PUNTOS - TIEMPO: 1 hora