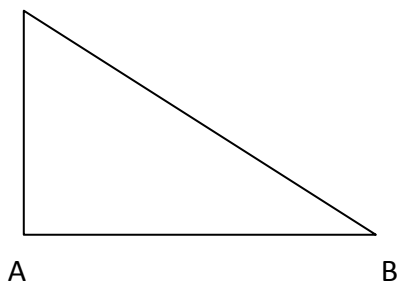




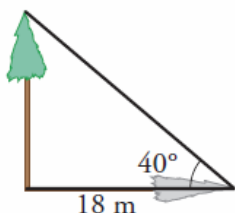
NOMBRE: \_\_\_\_\_

01 C



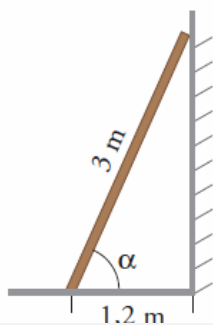
$a = 40 \text{ m}$	$\text{sen } \beta = 0.42$
$b = \underline{\hspace{2cm}}$	$\text{cos } \beta = \underline{\hspace{2cm}}$
$c = \underline{\hspace{2cm}}$	$\text{tag } \beta = \underline{\hspace{2cm}}$
$\alpha = 90^\circ$	$\text{sen } \gamma = \underline{\hspace{2cm}}$
$\beta = \underline{\hspace{2cm}}$	$\text{cos } \gamma = \underline{\hspace{2cm}}$
$\gamma = \underline{\hspace{2cm}}$	$\text{tag } \gamma = \underline{\hspace{2cm}}$

02 Cuando los rayos del sol forman  $40^\circ$  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?

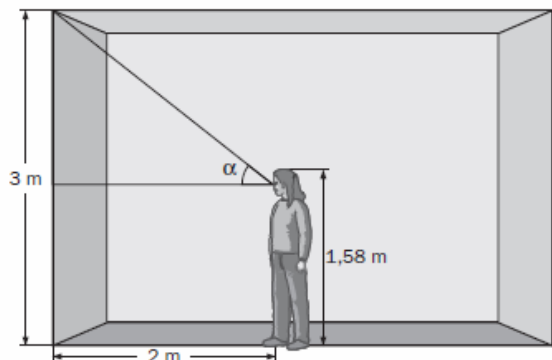


SOL: \_\_\_\_\_

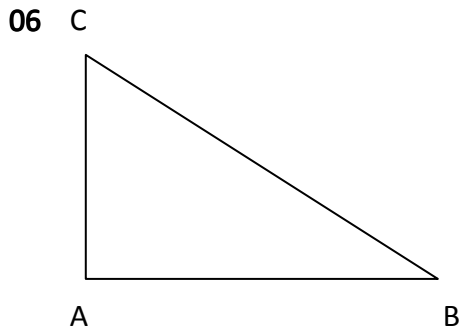
04 Verdadero o Falso. Razona la respuesta:

- 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  $\text{sen}(\alpha) = \text{cos}(\alpha) = 1,1$  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: \_\_\_\_\_



$$a = 10 \text{ m}$$

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

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

$$\alpha = 90^\circ$$

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

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

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

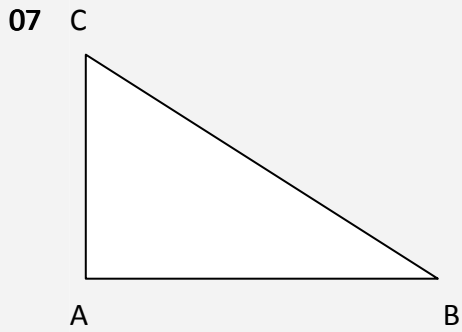
$$\text{cos } \beta = \underline{\hspace{2cm}}$$

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

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

$$\text{cos } \gamma = 0.58$$

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



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

$$b = 20 \text{ m}$$

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

$$\alpha = 90^\circ$$

$$\beta = 40^\circ$$

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

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

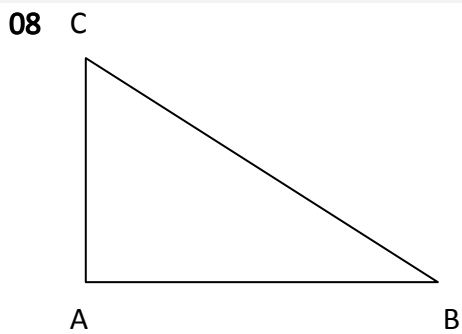
$$\text{cos } \beta = \underline{\hspace{2cm}}$$

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

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

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

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



$$a = 19 \text{ m}$$

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

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

$$\alpha = 90^\circ$$

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

$$\gamma = 70^\circ$$

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

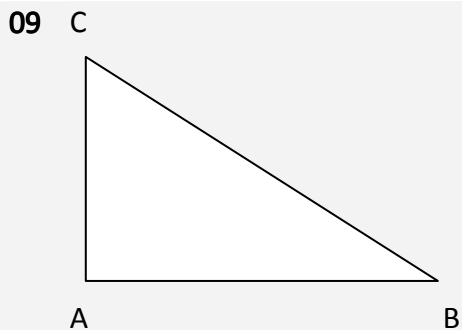
$$\text{cos } \beta = \underline{\hspace{2cm}}$$

$$\text{tag } \beta = 0.91$$

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

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

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



$$a = 50 \text{ m}$$

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

$$c = 20 \text{ m}$$

$$\alpha = 90^\circ$$

$$\beta = 27^\circ$$

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

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

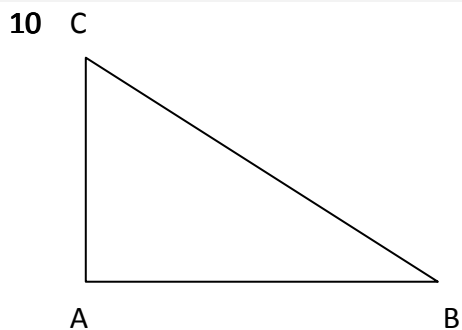
$$\text{cos } \beta = \underline{\hspace{2cm}}$$

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

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

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

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



$$a = 1000 \text{ m}$$

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

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

$$\alpha = 90^\circ$$

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

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

$$\text{sen } \beta = 0.10$$

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

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

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

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

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

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

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