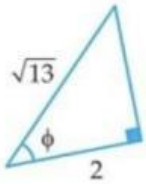
Por mi cuenta

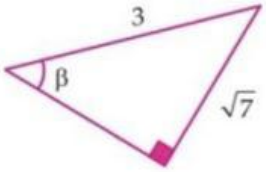
1. **Determina** el valor de senϕ.

A) $\sqrt{13}$
B) 3
C) $\sqrt{13}/3$
D) $3/\sqrt{13}$
E) $2/3$



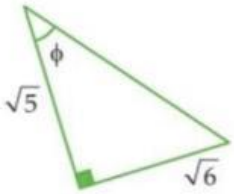
2. **Calcula** el valor de cosβ.

A) $3/\sqrt{7}$
B) $\sqrt{2}/3$
C) $\sqrt{7}/2$
D) $\sqrt{7}/3$
E) $3\sqrt{2}$



3. **Calcula** el valor de senϕ.

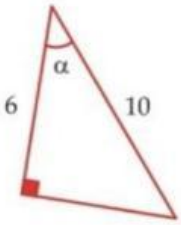
A) $\sqrt{5}/\sqrt{11}$
B) $\sqrt{5}/\sqrt{6}$
C) $\sqrt{6}/\sqrt{11}$
D) $\sqrt{11}/\sqrt{6}$
E) $\sqrt{6}/\sqrt{5}$



En pareja

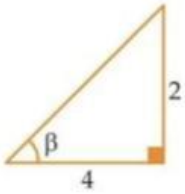
4. **Determina** el valor de $E = \dfrac{\cos\alpha}{\text{sen}\alpha}$.

A) 4/3
B) 5/3
C) 3/5
D) 5/4
E) 3/4



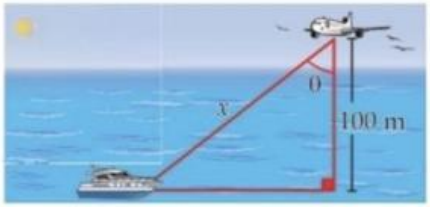
5. **Determina** el valor de $E = 4\sqrt{5}\,(\text{sen}\beta - \cos\beta)$.

A) –4
B) –5
C) –6
D) –2
E) –3



6. **Determina** el valor de x, si $\cos\theta = 1/2$.

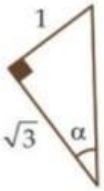
A) 150 m
B) 200 m
C) 140 m
D) 220 m
E) 210 m



En equipo

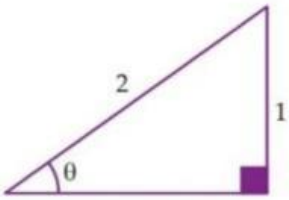
7. Del gráfico, **calcula** el valor de $E = \text{sen}\alpha \cdot \cos\alpha$.

A) 1/3
B) $\sqrt{3}$
C) $\sqrt{2}/3$
D) $\sqrt{3}/4$
E) 4/3



8. **Calcula** el valor de $M = \text{sen}^2\theta + \cos^2\theta$.

A) 2
B) 1
C) 3
D) 1/2
E) 1/3



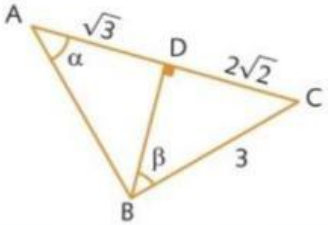
Reflexiono

¿Qué apliqué para resolver los problemas del capítulo? ¿Qué dificultades tuve para resolver algunos problemas? ¿Cómo los superé?

Olimpiadas

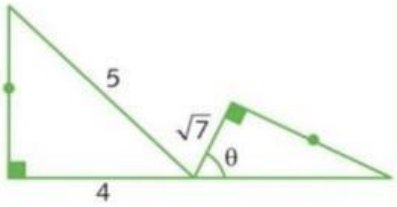
1. **Calcula** el valor de $E = 4\text{sen}\alpha - 9\cos\beta$.

A) 1
B) 2
C) –2
D) –1
E) 3



2. Del gráfico, **determina** senθ.

A) 5/4
B) 5/3
C) 4/3
D) 1/4
E) 3/4



LIVEWORKSHEETS