

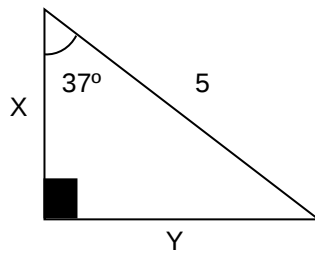


TRIÁNGULOS RECTÁNGULOS NOTABLES

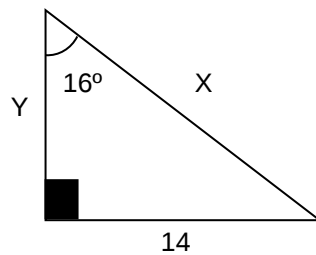
Ejercicios para Resolver

1. Utilizando las relaciones de los triángulos rectángulos notables de la página anterior, encuentra los valores de X e Y en cada caso.

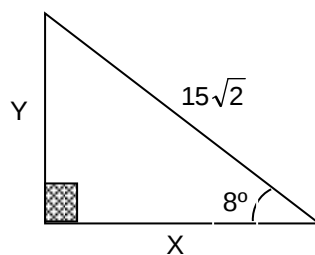
a)



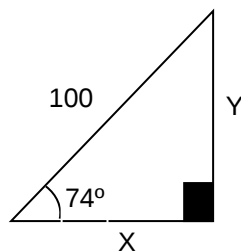
b)



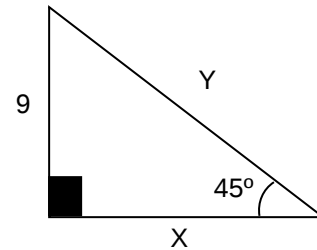
c)



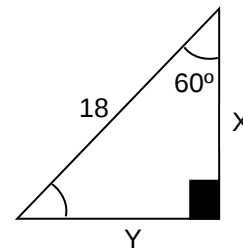
d)



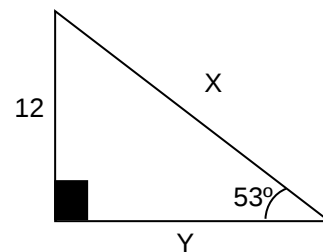
e)



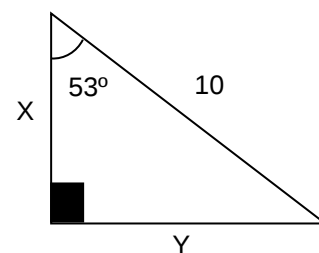
f)



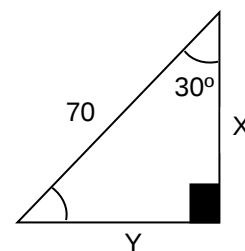
g)



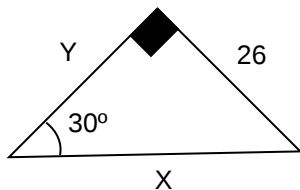
h)



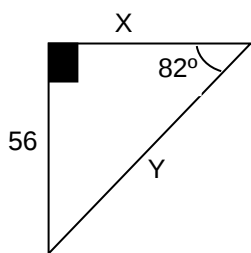
i)



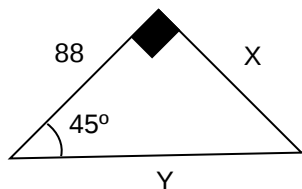
j)



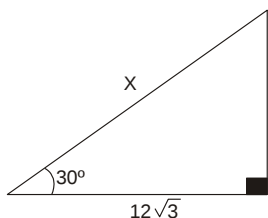
k)



l)

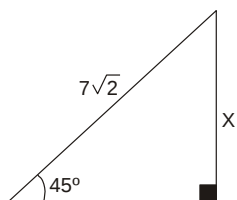


2. Calcular el valor numérico de "x" en:



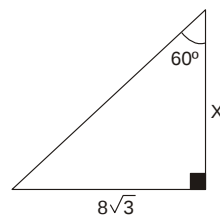
- a) 15 b) 24 c) 20
 d) 18 e) 30

3. Calcular el valor numérico de "x" en:



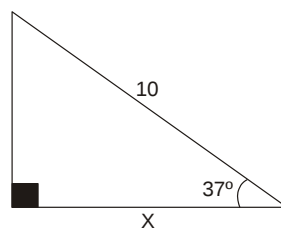
- a) 14 b) 7 c) 19
 d) 3,5 e) 5

4. Calcular el valor numérico de "x" en:



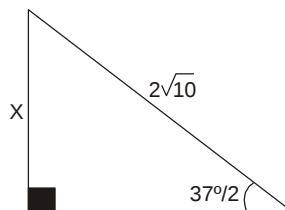
- a) 6 b) 7 c) 8
 d) 9 e) 10

5. Calcular el valor numérico de "x" en:



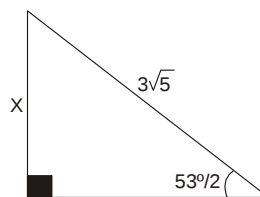
- a) 4 b) 5 c) 7
 d) 6 e) 8

6. Calcular el valor numérico de "x" en:



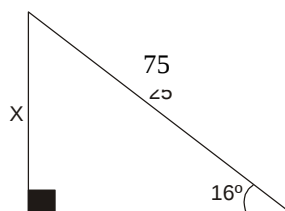
- a) 2 b) 1 c) 3
 d) 0,5 e) 1,5

7. Calcular el valor numérico de "x" en:



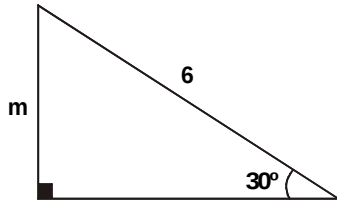
- a) 2 b) 3 c) 1
 d) 0,5 e) 1,5

8. Calcular el valor numérico de "x" en:



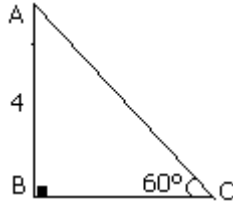
- a) 7 b) 24 e) 30
 d) 8 e) 21

9. Hallar "m".



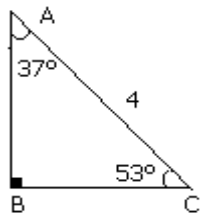
- a) 7 b) 4 e) 6
d) 8 e) 3

10. En la figura, calcular la hipotenusa



- a) $8/\sqrt{3}$ b) 8 c) $6\sqrt{3}$
d) 6 e) NA

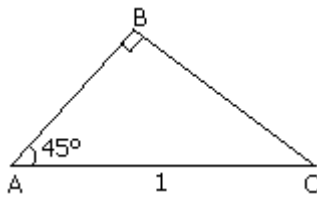
11. Hallar el cateto AB



- a) $12/5$ b) $16/5$ c) $13/5$
d) 3 e) $11/5$

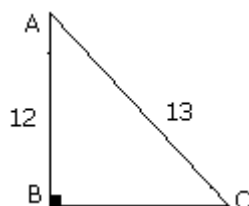
TEOREMA DE PITAGORAS:

12. Hallar el cateto BC



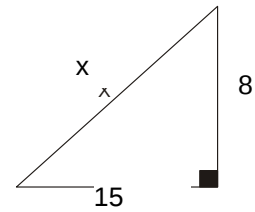
- a) $\sqrt{2}$ b) $\sqrt{3}$ c) $1/\sqrt{2}$
d) 2 e) NA

13. En la figura, calcular el cateto restante:



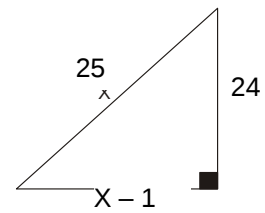
- a) 5 b) 6 c) 7
d) 8 e) 9

14. Calcular el valor numérico de "x" en:



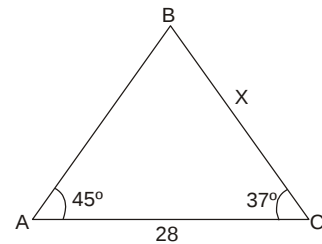
- a) 18 b) 20 c) 17
d) 19 e) 23

15. Calcular el valor numérico de "x" en:



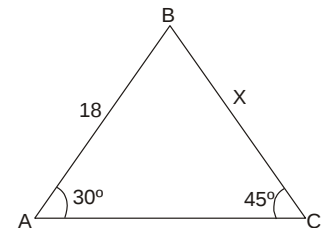
- a) 18 b) 20 c) 17
d) 19 e) 23

16. Calcular el valor numérico de "x" en:



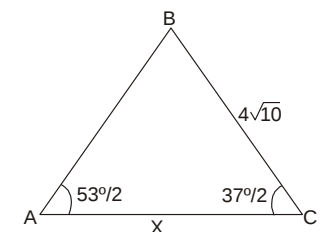
- a) 25 b) 15 c) 20
d) 30 e) 35

17. Calcular el valor numérico de "x" en:



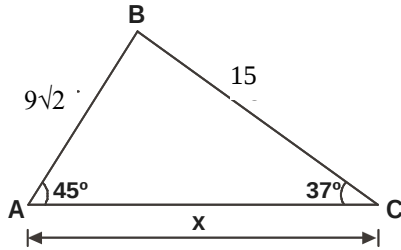
- a) 9 b) 18 c) $9\sqrt{2}$
d) 15 e) 12

18. Calcular el valor numérico de "x" en:



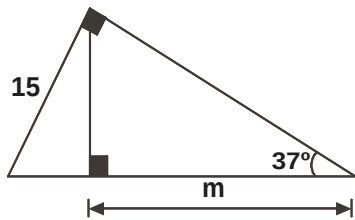
- a) 16 b) 20 c) 24
d) 12 e) 22

19. Hallar "x".



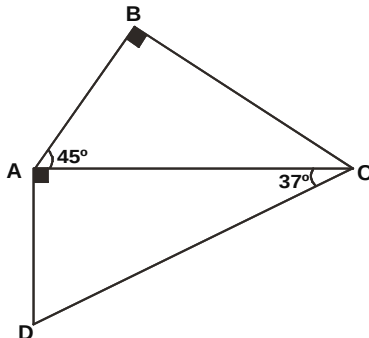
- a) 14 b) 15 c) 16
d) 17 e) 21

20. Hallar "m".

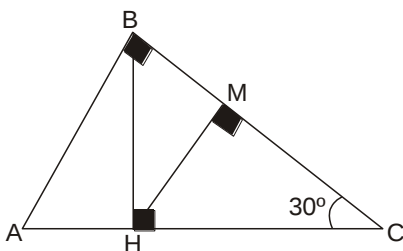


- a) 14 b) 15 c) 16
d) 17 e) 18

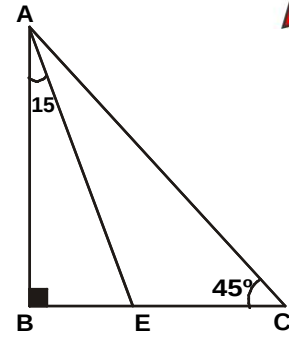
21. Hallar "AD" si $BC=8\text{cm}$.



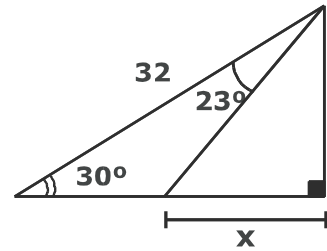
22. Calcular, si MH, si $AH=10$



23. Hallar AE si: $EC=6$

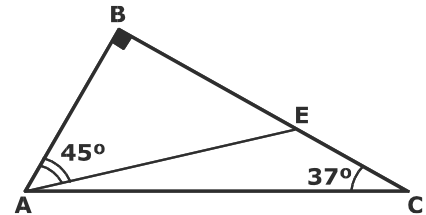


24. Hallar "x".



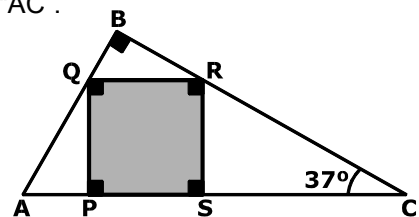
- a) 15 b) 10 c) 18
d) 12 e) 9

25. Si: $AC=20$, calcular "EC"



- a) 4 b) 8 c) 12
d) 6 e) 10

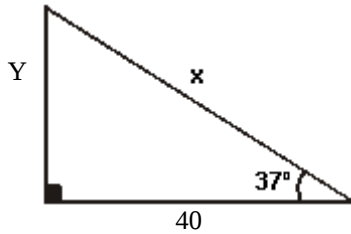
26. Si el lado del cuadrado PQRS es 12 cm. Hallar "AC".



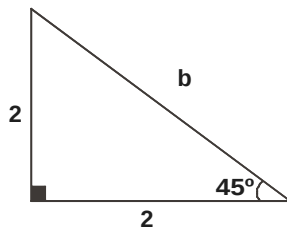
- a) 20 b) 25 c) 28
d) 37 e) 42

Más Ejercicios

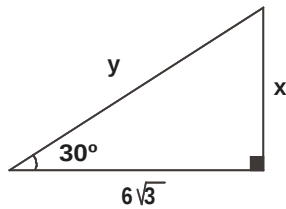
1. Calcular $(x+y)$.



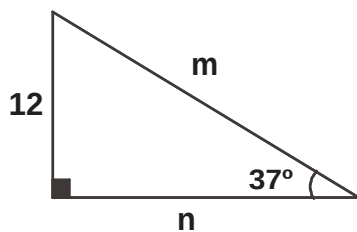
2. Calcular "b"



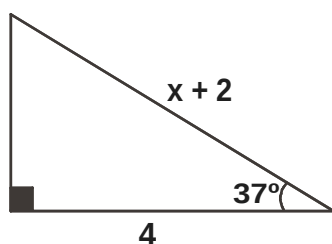
3. Hallar " $x + y$ "



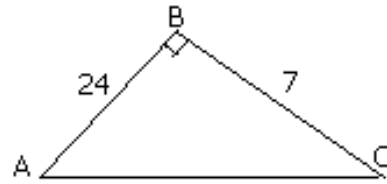
4. Hallar " $m - n$ "



5. Hallar " x "

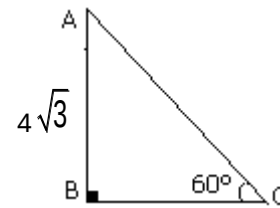


6. En la figura, calcular la hipotenusa



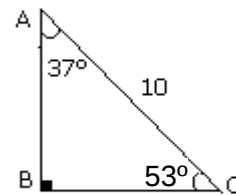
- a) 52 b) 64 c) 30
 d) 25 e) 36

7. Hallar el cateto BC



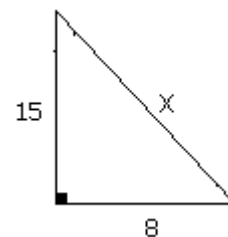
- a) 2 b) 3 c) 4
 d) $4\sqrt{3}$ e) N.A.

8. Hallar la suma de los catetos $AB + BC$



- a) 12 b) 13 c) 14
 d) 10 e) N.A.

9. Hallar $2x + 8$



- a) 17 b) 34 c) 42
 d) 46 e) 50