



RECURSOS DIDÁCTICOS

SEGUNDO DE SECUNDARIA

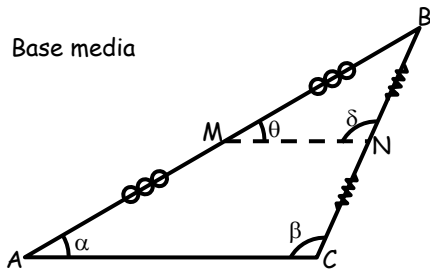
GEOMETRÍA

PROPIEDADES DE LA BASE MEDIA

BASE MEDIA

Es el segmento que une los puntos medios de 2 lados de un triángulo cualquiera.

MN : Base media



PROPIEDAD

La base media es paralela al tercer lado y además su valor es igual a la mitad del valor del tercer lado.

Sean :

M : punto medio de AB
N : punto medio de BC

Trazamos : MN = Base media de $\triangle ABC$

Se cumple :

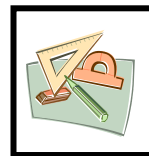
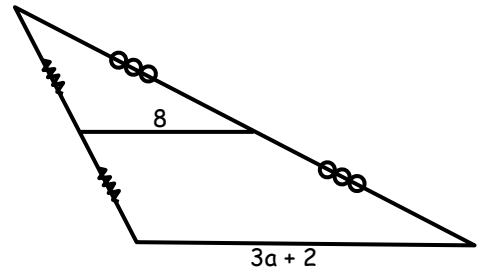
- $MN = \frac{AC}{2}$
- $\overline{MN} \parallel AC \Rightarrow \begin{cases} \alpha = \theta \\ \wedge \\ \beta = \delta \end{cases}$



Sabías que ...

Es fácil determinar el valor de la base media, mediante el criterio de triángulos semejantes.

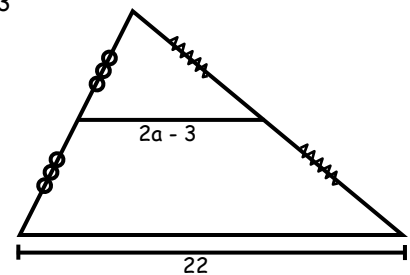
Ejemplo :



Ejercicios de Aplicación

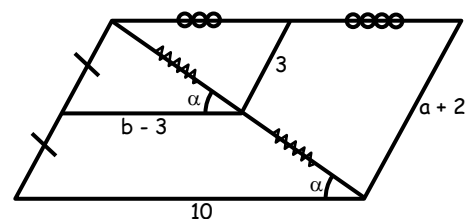
1. Hallar "2a + 3"

- a) 11
- b) 17
- c) 15
- d) 7
- e) N.A.



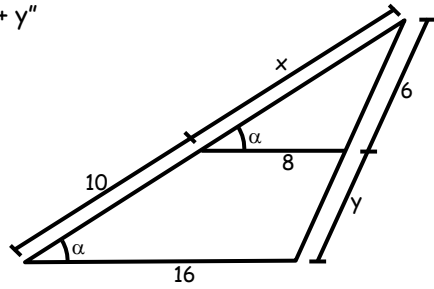
2. Hallar "a + b"

- a) 12
- b) 13
- c) 7
- d) 11
- e) N.A.



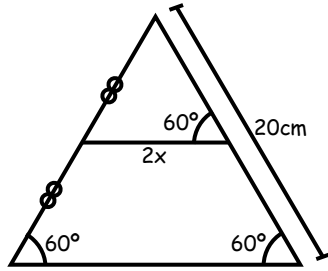
3. Hallar "x + y"

- a) 17
- b) 18
- c) 14
- d) 16
- e) N.A.



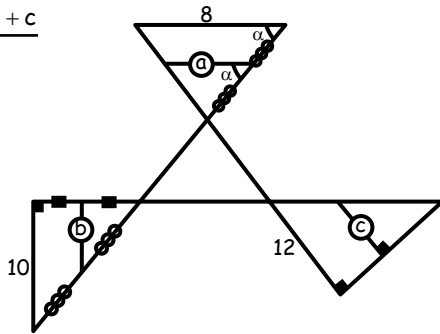
4. Hallar "x"

- a) 8 cm
- b) 10
- c) 5
- d) 12
- e) N.A.



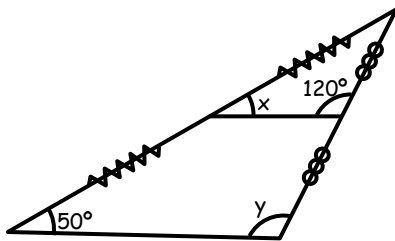
5. Hallar : $\frac{a+b+c}{2}$

- a) 7,5
- b) 8
- c) 15
- d) 8,5
- e) N.A.



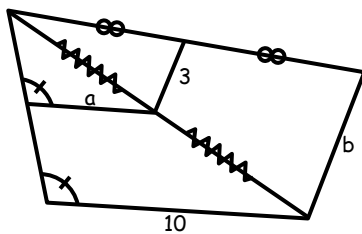
6. Hallar "y - x"

- a) 60°
- b) 70°
- c) 50°
- d) 65°
- e) N.A.



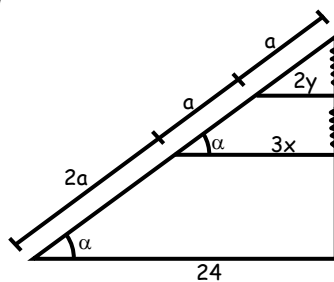
7. Hallar "b - a"

- a) 2,5
- b) 3
- c) 1
- d) 2
- e) N.A.



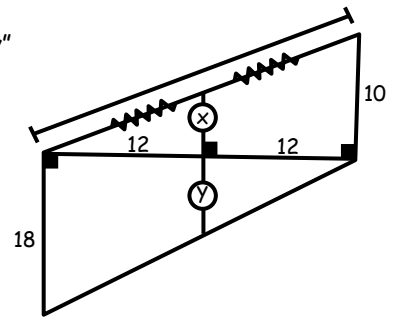
8. Hallar "x + y"

- a) 7
- b) 6
- c) 9
- d) 8
- e) N.A.



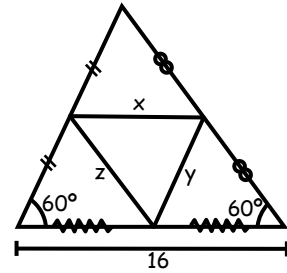
9. Hallar "x + y"

- a) 15,5
- b) 18
- c) 14
- d) 12,5
- e) N.A.



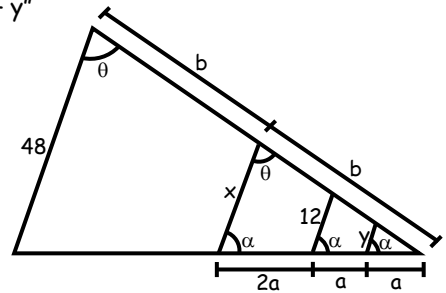
10. Hallar "x + y + z"

- a) 16
- b) 18
- c) 24
- d) 22
- e) N.A.



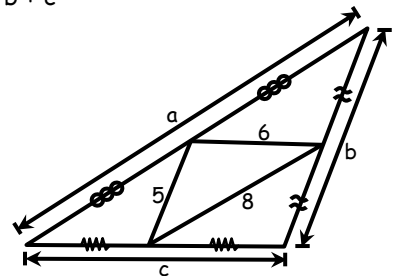
11. Hallar "x + y"

- a) 36
- b) 28
- c) 30
- d) 35
- e) N.A.



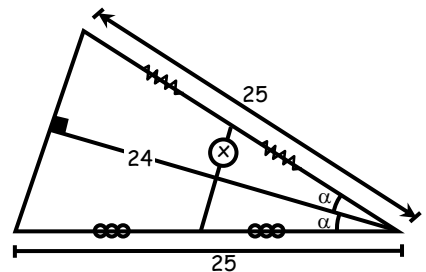
12. Hallar "a + b + c"

- a) 38
- b) 35
- c) 42
- d) 36
- e) N.A.



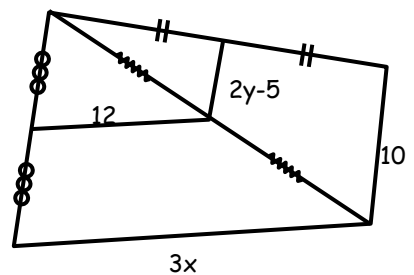
13. Hallar "x"

- a) 8
- b) 7
- c) 9
- d) 12
- e) N.A.



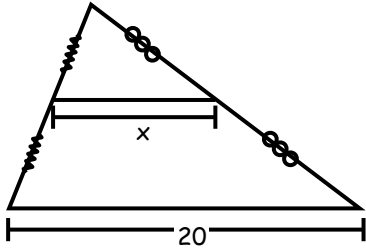
14. Hallar "x + y"

- a) 21
- b) 15
- c) 17
- d) 13
- e) N.A.



15. Hallar "x"

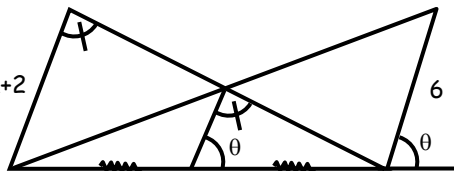
- a) 8
- b) 15
- c) 10
- d) 12
- e) N.A.



Tarea Domiciliaria

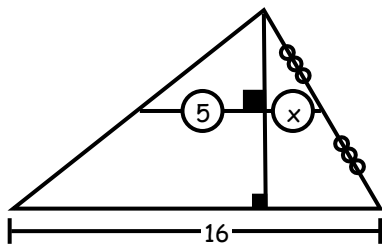
1. Hallar "a"

- a) 4
- b) 2
- c) $2a+2$
- d) 5
- e) N.A.



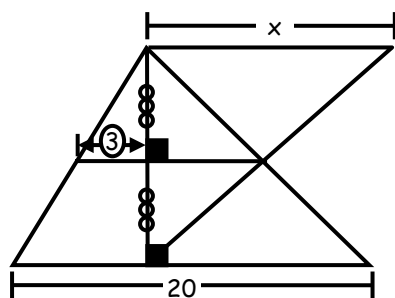
2. Hallar "x"

- a) 3
- b) 8
- c) 5
- d) 6
- e) N.A.



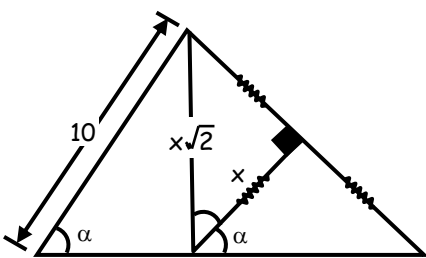
3. Hallar "x"

- a) 10
- b) 15
- c) 14
- d) 18
- e) N.A.



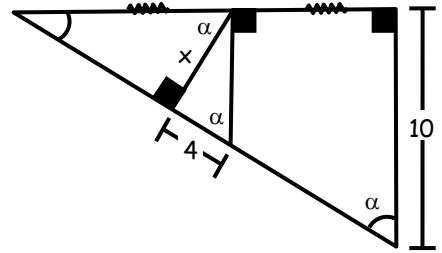
4. Hallar " $x\sqrt{2}$ "

- a) 10
- b) $4\sqrt{5}$
- c) $2\sqrt{3}$
- d) $5\sqrt{2}$
- e) N.A.



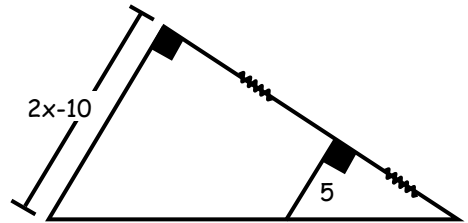
5. Hallar "x"

- a) 5
- b) 3
- c) 6
- d) 7
- e) N.A.



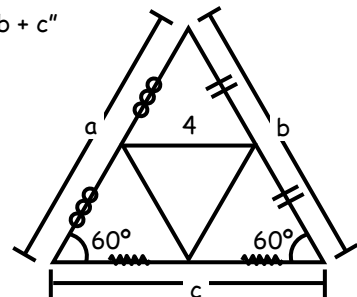
6. Hallar "x"

- a) 8
- b) 15
- c) 10
- d) 12
- e) N.A.



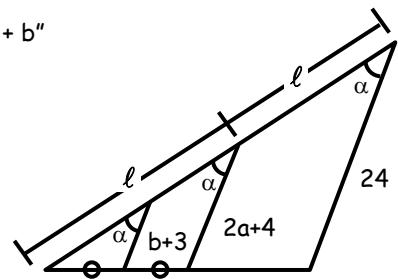
7. Hallar "a + b + c"

- a) 16
- b) 24
- c) 28
- d) 20
- e) N.A.



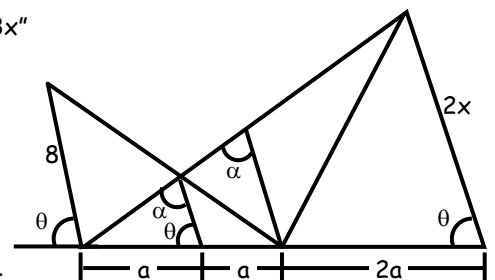
8. Hallar "a + b"

- a) 9
- b) 14
- c) 16
- d) 7
- e) N.A.



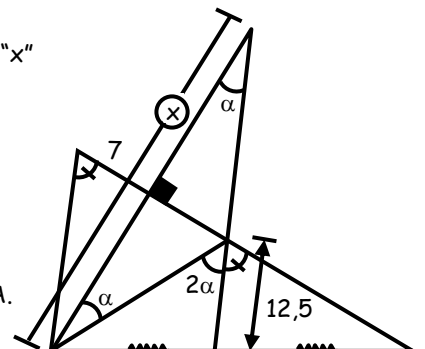
9. Halla "3x"

- a) 16
- b) 24
- c) 18
- d) 20
- e) N.A.



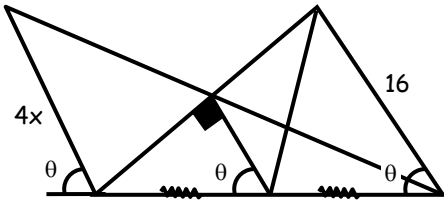
10. Hallar "x"

- a) 25
- b) 21
- c) 48
- d) 40
- e) N.A.



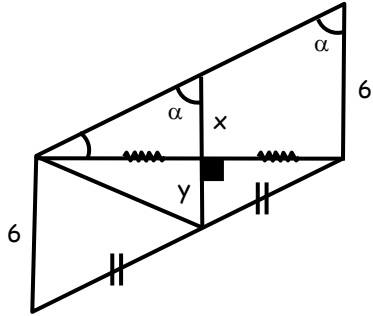
11. Hallar "x"

- a) 5
- b) 8
- c) 4
- d) 6
- e) N.A.



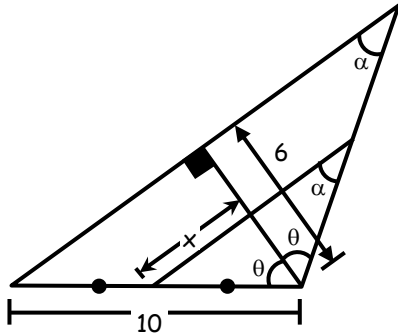
12. Hallar "x + y"

- a) 10
- b) 7
- c) 12
- d) 6
- e) N.A.



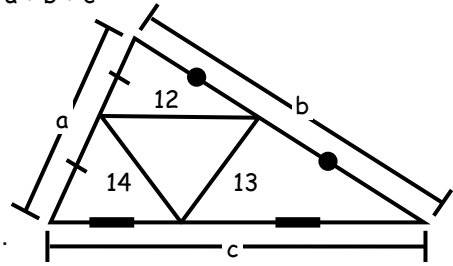
13. Hallar "x"

- a) 10
- b) 8
- c) 4
- d) 12
- e) N.A.



14. Hallar "a + b + c"

- a) 72
- b) 78
- c) 60
- d) 64
- e) N.A.



15. Hallar "B - alpha"

- a) 60°
- b) 70°
- c) 80°
- d) 90°
- e) N.A.

