



# RECURSOS DIDÁCTICOS

TERCERO DE SECUNDARIA

GEOMETRÍA

## CUADRILÁTEROS II

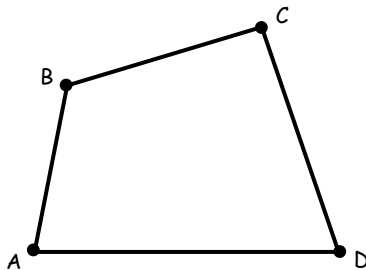
### CLASIFICACIÓN DE CUADRILÁTEROS

#### ● TRAPEZOIDE

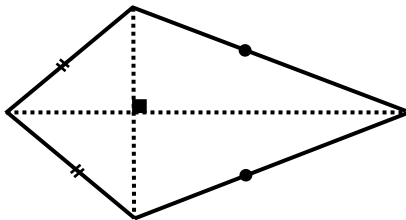
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.....

.....



#### \* CASO ESPECIAL



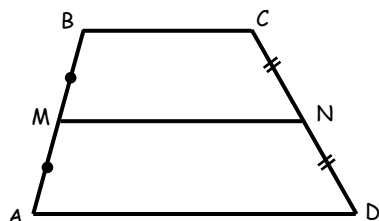
Trapezio Simétrico

#### ● TRAPECIO

.....

.....

.....



$BC \parallel AD$

#### Elementos:

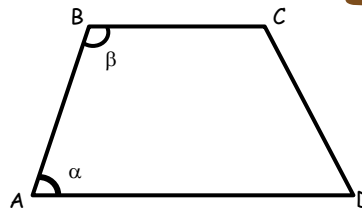
- $\overline{BC}$  : Base Menor
- $\overline{AD}$  : Base Mayor

### NOTA

$\overline{MN}$  : Base Media ó Mediana



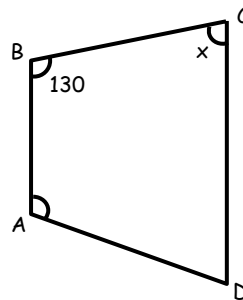
Si:  $BC \parallel AD$



$\alpha + \beta = 180^\circ$

#### Ejemplo:

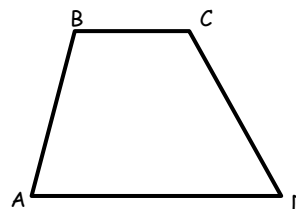
- Si ABCD es un trapezoid.  $AB \parallel CD$



Sol.:

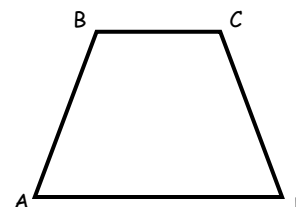
### CLASIFICACIÓN DE TRAPECIOS

- Trapecio Escaleno:



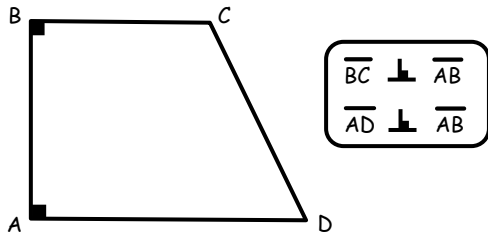
$AB \neq CD$

- Trapecio Isósceles



$AB = CD$

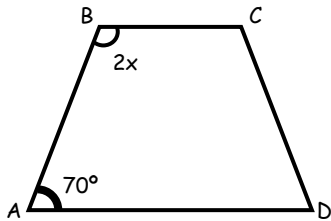
□ Trapecio Rectángulo



## EJERCICIOS DE APLICACIÓN

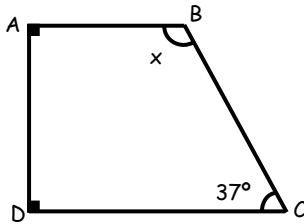
1. Calcular "x";  $BC \parallel AD$ .

- a) 110
- b) 55
- c) 50
- d) 80
- e) 120



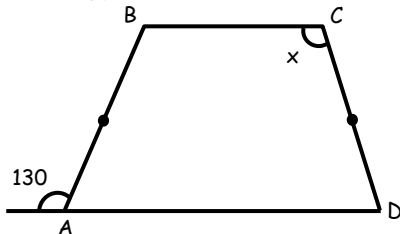
2. Calcular "x"; si ABCD es un trapecio

- a) 127
- b) 143
- c) 53
- d) 37
- e) 120



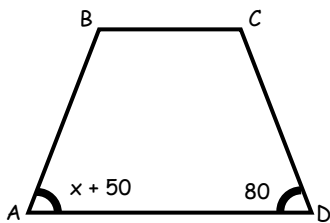
3. Calcular "x";  $BC \parallel AD$ .

- a) 130
- b) 50
- c) 65
- d) 25
- e) 100



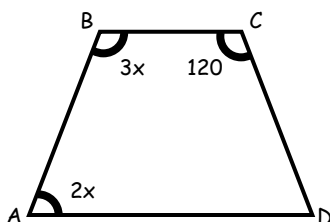
4. Si ABCD es un trapecio isósceles ( $BC \parallel AD$ ). Calcular "x".

- a) 30
- b) 20
- c) 15
- d) 40
- e) 50



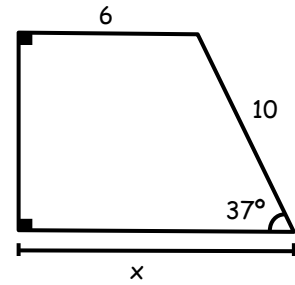
5. Calcular "x";  $BC \parallel AD$ .

- a) 36
- b) 72
- c) 40
- d) 60
- e) 18



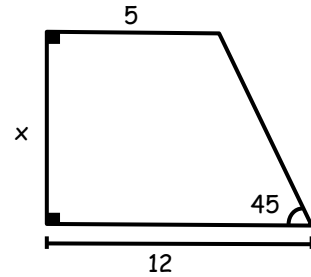
6. Calcular "x"

- a) 12
- b) 14
- c) 10
- d) 11
- e) 13



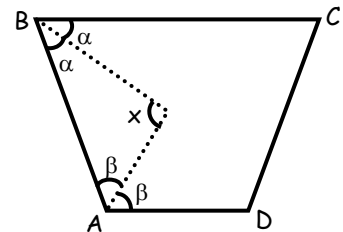
7. Calcular "x".

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



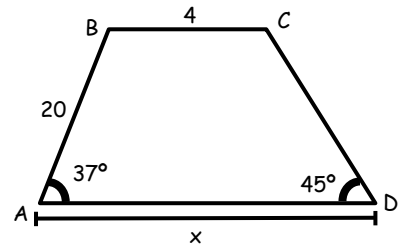
8. Calcular "x";  $BC \parallel AD$

- a) 90
- b) 120
- c) 45
- d) 60
- e) 150



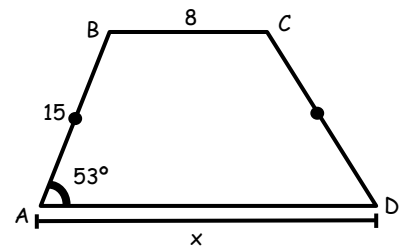
9. Calcular "x"; si  $AB \parallel CD$

- a) 28
- b) 32
- c) 30
- d) 34
- e) 26



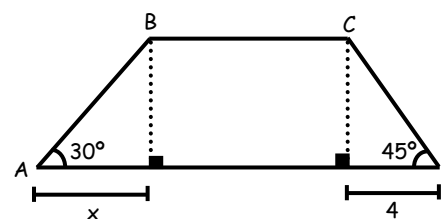
10. Calcular "x";  $BC \parallel AD$

- a) 26
- b) 18
- c) 20
- d) 22
- e) 30



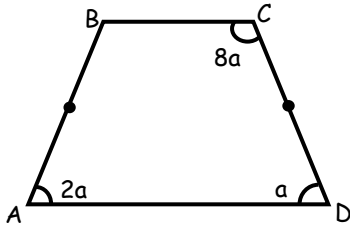
11. Calcular "x";  $BC \parallel AD$

- a) 4
- b) 5
- c) 6
- d)  $4\sqrt{3}$
- e)  $4\sqrt{2}$



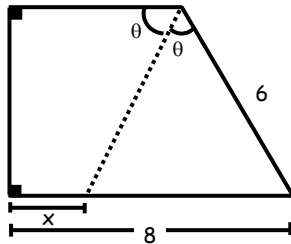
12. Calcular "x"; BC // AD

- a) 18
- b) 9
- c) 27
- d) 36
- e) 45



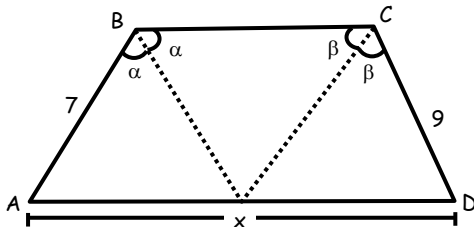
13. Calcular "x"

- a) 2
- b) 14
- c) 7
- d) 4
- e) 6



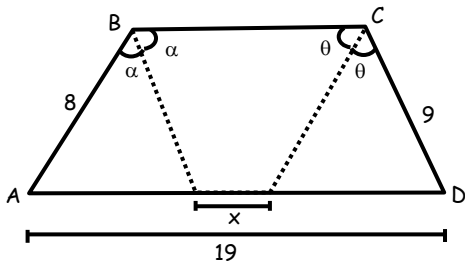
14. Calcular "x"; ABCD es trapecio.

- a) 16
- b) 9
- c) 32
- d) 2
- e) 8



15. Calcular "x", si ABCD es trapecio.

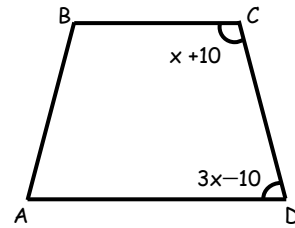
- a) 1
- b) 2
- c) 3
- d) 4
- e) 5



## Tarea Domiciliaria

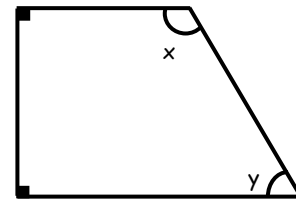
1. Calcular "theta"; BC // AD

- a) 45
- b) 90
- c) 5
- d) 10
- e) 60



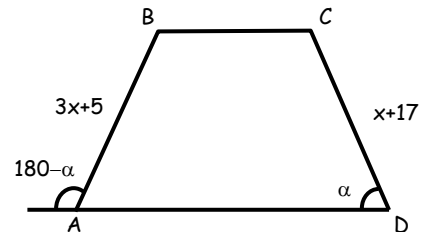
2. Calcular "x", si:  $x - y = 70^\circ$

- a) 125
- b) 55
- c) 115
- d) 65
- e) 135



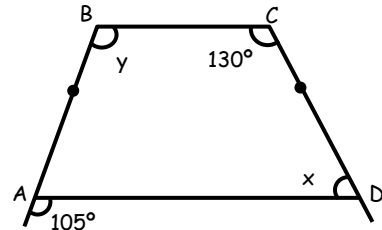
3. Calcular "x", BC // AD.

- a) 12
- b) 6
- c) 22
- d) 11
- e) 3



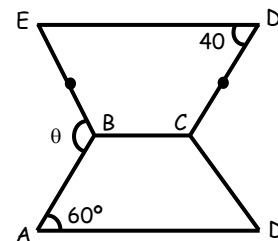
4. Calcular  $x + y$ ; BC // AD.

- a) 50
- b) 125
- c) 115
- d) 135
- e) 235



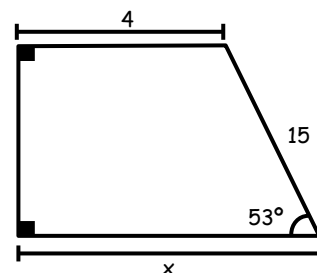
5. Calcular "theta"; si BC // ED // AD

- a) 100
- b) 120
- c) 80
- d) 140
- e) 110



6. Calcular "x"

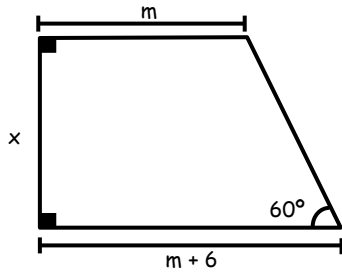
- a) 16
- b) 13
- c) 9
- d) 12
- e) 10



EL QUE ES  
PERSEVERANTE, LO  
CONSIGUE

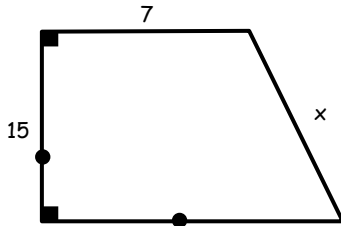
7. Calcular "x"

- a)  $12\sqrt{3}$
- b)  $6\sqrt{3}$
- c) 6
- d)  $3\sqrt{3}$
- e) 3



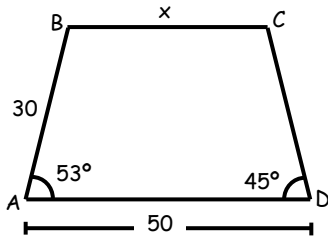
8. Calcular "x".

- a) 15
- b) 16
- c) 17
- d) 18
- e) 20



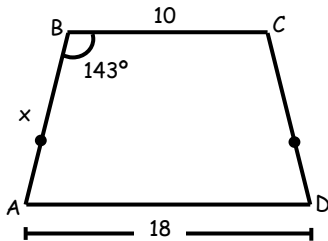
9. Calcular "x" ; BC // AD

- a) 8
- b) 6
- c) 10
- d) 12
- e) 9



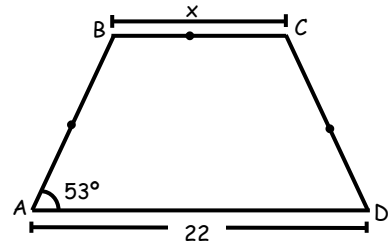
10. Calcular "x" ; BC // AD

- a) 4
- b) 5
- c) 10
- d) 8
- e) 6



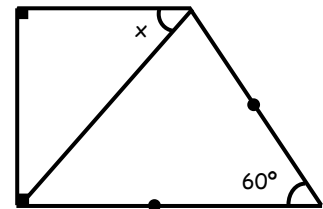
11. Calcular "x" ; si BC // AD

- a) 5
- b) 10
- c) 7
- d) 8
- e) 6



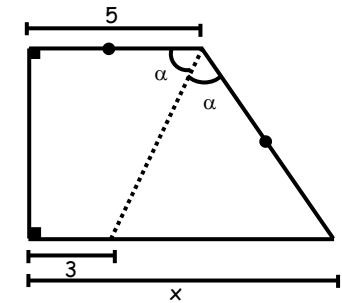
12. Calcular "x"

- a) 30
- b) 60
- c) 45
- d) 37
- e) 53



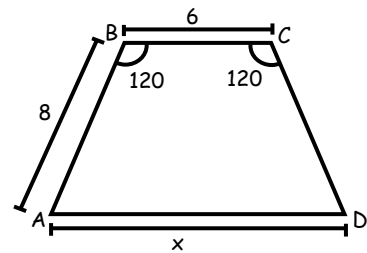
13. Calcular "x"

- a) 5
- b) 8
- c) 6
- d) 9
- e) 10



14. Calcular "x"

- a) 14
- b) 12
- c) 7
- d) 10
- e) 8



### RETO DE LA SEMANA



15. Calcular "x"

- a) 7
- b) 10
- c) 12
- d) 14
- e) 8

