



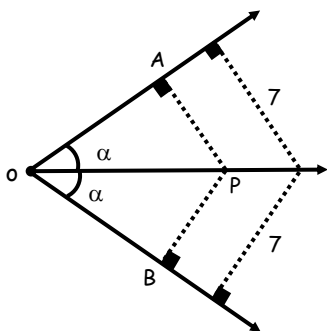
RECURSOS DIDÁCTICOS

TERCERO DE SECUNDARIA

GEOMETRÍA

PROPIEDADES DERIVADAS DE LA CONGRUENCIA DE TRIÁNGULOS

PROPIEDAD DE LA BISECTRIZ



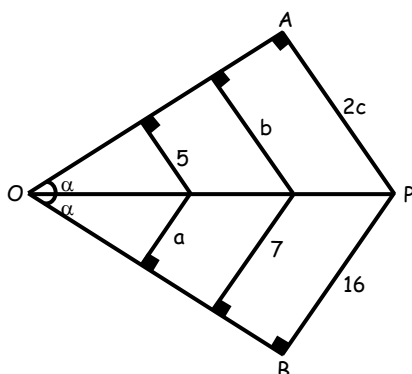
Si: \vec{OP} es bisectriz del $\sphericalangle AOB$

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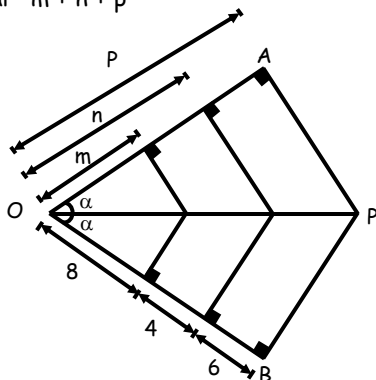
$AP = PB$
$OA = OB$

Ejemplos:

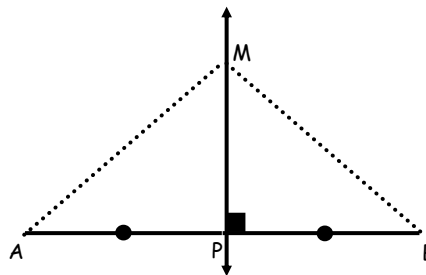
- ① Calcular "a + b + c"



- ② Calcular "m + n + p"



PROPIEDAD DE LA MEDIATRIZ



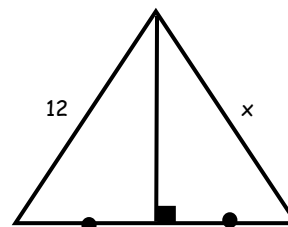
Si: \vec{PM} es mediatriz

*

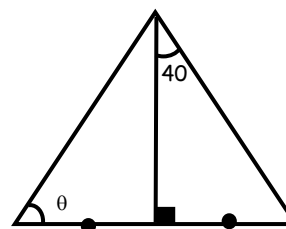
$AM = MB$
$m\hat{\sphericalangle}MAP = m\hat{\sphericalangle}MBP$

Ejemplo:

1. Calcular "x"



2. Calcular θ



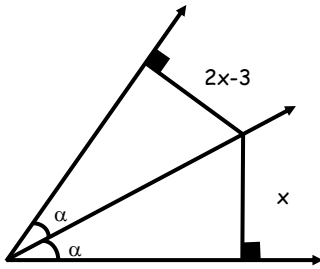
¿SABIAS QUE?

La *estrella de cinco puntas* era el símbolo de los miembros de la escuela Pitagórica

EJERCICIOS DE APLICACIÓN

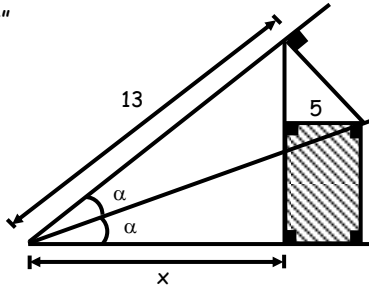
1. Calcular "x"

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



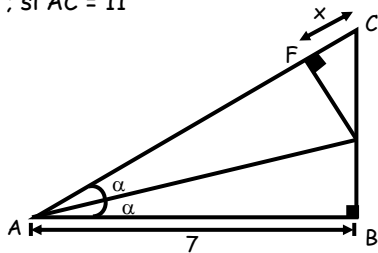
2. Calcular "x"

- a) 8
- b) 18
- c) 9
- d) 4
- e) 2



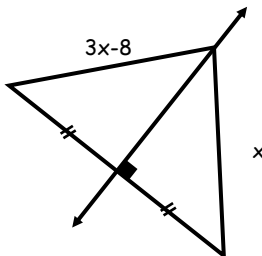
3. Calcular "x"; si AC = 11

- a) 7
- b) 4
- c) 18
- d) 2
- e) 9



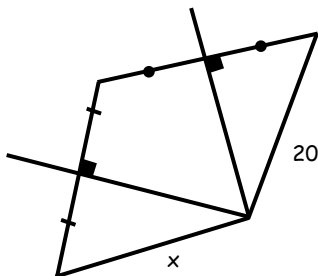
4. Calcular "x"

- a) 2
- b) 3
- c) 4
- d) 6
- e) 8



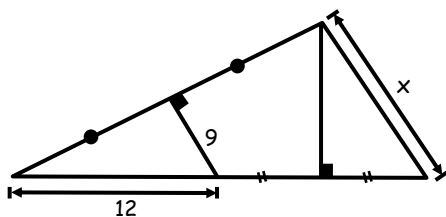
5. Calcular "x"

- a) 20
- b) 30
- c) 10
- d) 40
- e) 15



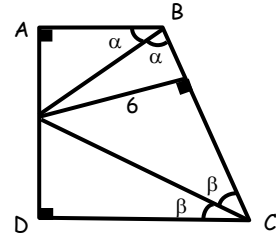
6. Calcular "x"

- a) 9
- b) 12
- c) 18
- d) 6
- e) 24



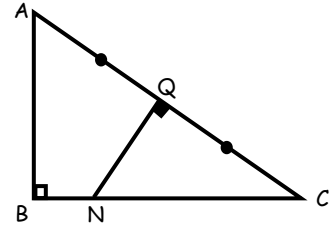
7. Calcular "AD"

- a) 6
- b) 12
- c) 9
- d) 3
- e) 15



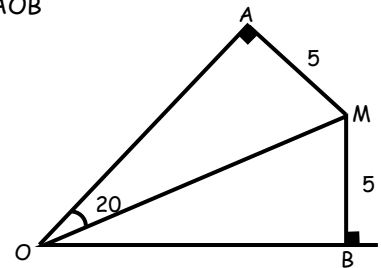
8. Si: BC = 9 ; BN = 4
Calcular AN

- a) 9
- b) 2
- c) 5
- d) 4
- e) 3



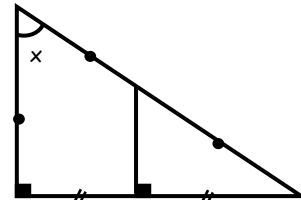
9. Calcular m∠AOB

- a) 10
- b) 20
- c) 30
- d) 40
- e) 5



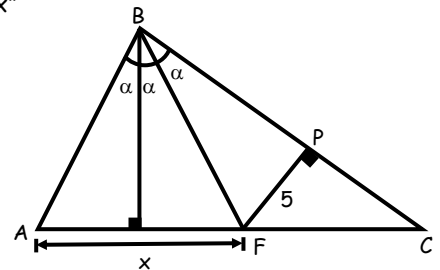
10. Calcular "x"

- a) 30
- b) 60
- c) 45
- d) 15
- e) 75



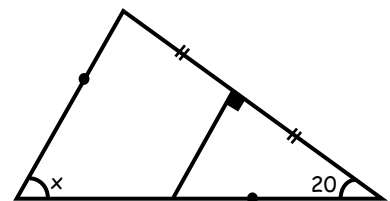
11. Calcular "x"

- a) 5
- b) 10
- c) 20
- d) 7,5
- e) 12,5



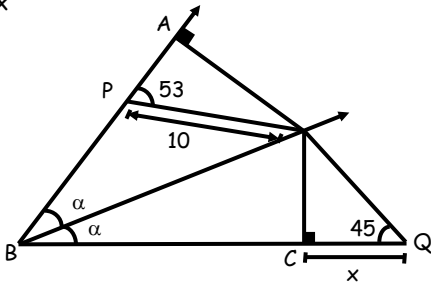
12. Calcular "x"

- a) 20
- b) 40
- c) 60
- d) 80
- e) 70



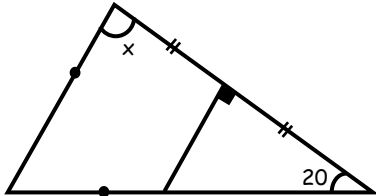
13. Calcular "x"

- a) 6
- b) 8
- c) $6\sqrt{2}$
- d) $8\sqrt{2}$
- e) 10



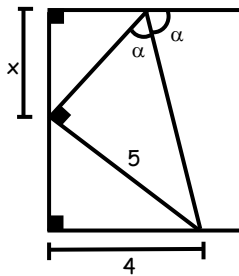
14. Calcular "x"

- a) 20
- b) 40
- c) 60
- d) 80
- e) 50



15. Calcular "x"

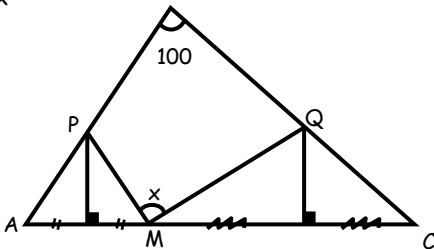
- a) 8
- b) 10
- c) 2
- d) 6
- e) 12



TAREA DOMICILIARIA

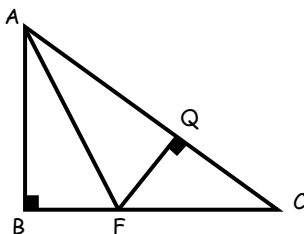
1. Calcular "x"

- a) 80
- b) 90
- c) 100
- d) 50
- e) 40



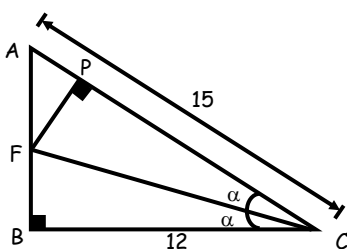
2. Calcular "FQ", si AF es bisectriz y BF = 18

- a) 9
- b) 6
- c) 12
- d) 18
- e) 15



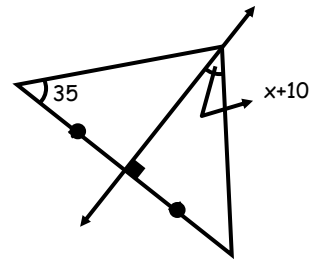
3. Calcular AP

- a) 12
- b) 6
- c) 3
- d) 1,5
- e) 5



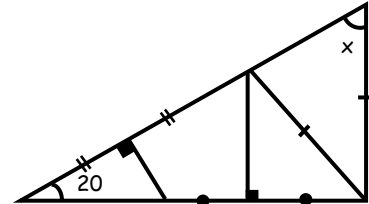
4. Calcular "x"

- a) 65
- b) 55
- c) 45
- d) 25
- e) 35



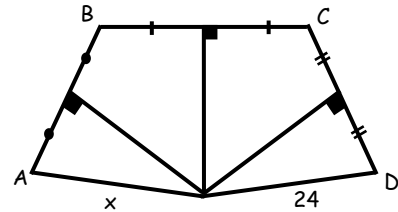
5. Calcular "x"

- a) 40
- b) 50
- c) 60
- d) 70
- e) 80



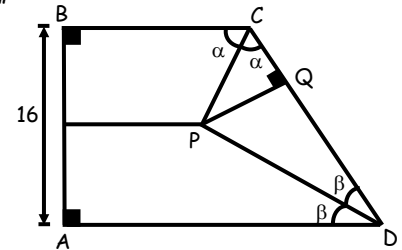
6. Calcular "x"

- a) 24
- b) 12
- c) 48
- d) 6
- e) 36



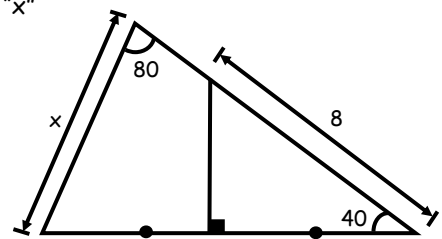
7. Calcular "PQ"

- a) 16
- b) 8
- c) 32
- d) 12
- e) 4



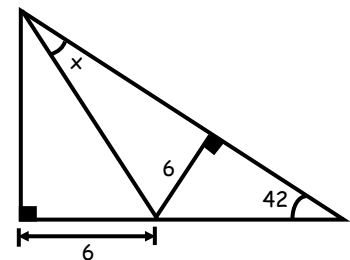
8. Calcular "x"

- a) 14
- b) 3,5
- c) 8
- d) 16
- e) 4



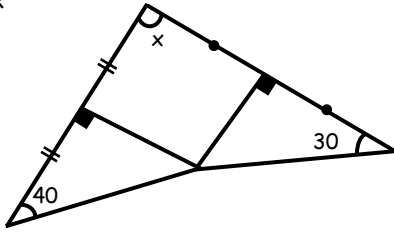
9. Calcular "x"

- a) 48
- b) 24
- c) 12
- d) 36
- e) 42



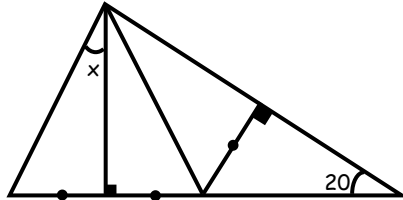
10. Calcular "x"

- a) 70
- b) 40
- c) 30
- d) 110
- e) 10



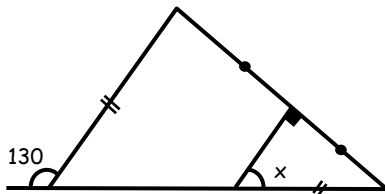
11. Calcular "x"

- a) 20
- b) 30
- c) 35
- d) 40
- e) 45



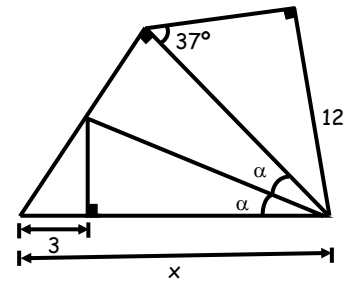
12. Calcular "x"

- a) 65
- b) 25
- c) 50
- d) 55
- e) 34



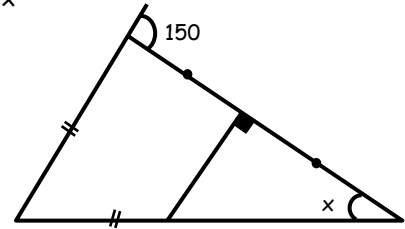
13. Calcular "x"

- a) 18
- b) 23
- c) 20
- d) 15
- e) 17



14. Calcular "x"

- a) 10
- b) 20
- c) 5
- d) 15
- e) 25



RETO DE LA SEMANA

15. Calcular "x"

- a) 6
- b) 8
- c) 9
- d) 13
- e) 14

