



fichas de Trabajo

RAZ. MATEMÁTICO

4^{to}

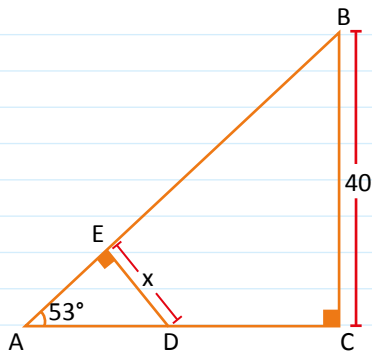
SECUNDARIA

TRIÁNGULOS RECTÁNGULOS NOTABLES

Trabajando en Clase

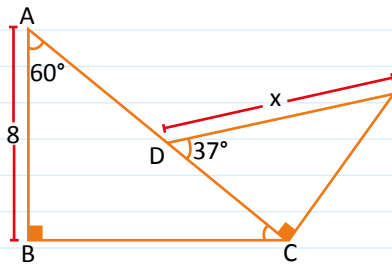
Nivel I

1. Calcula "x" si $AD = DC$.



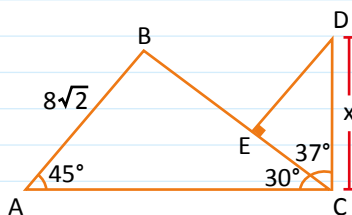
- a) 8 b) 10 c) 12
d) 16 e) 24

2. En la figura, calcula "x" si $AD = DC$.



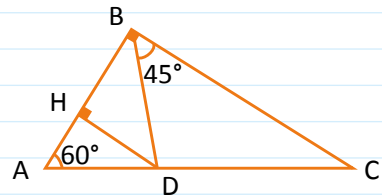
- a) 10 b) 12 c) 14
d) 16 e) 18

3. En la figura, calcula "x" si $BE = EC$.



- a) 8 b) 10 c) 12
d) 16 e) 20

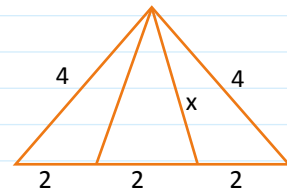
4. Si $BD = \sqrt{6}$, calcula: $BH + CD$



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

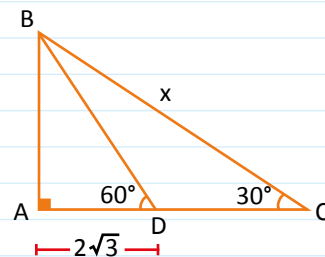
Nivel II

5. Calcula "x".



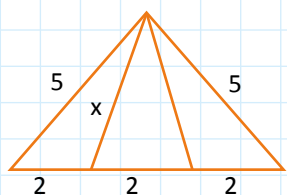
- a) $6\sqrt{2}$ b) $\sqrt{2}$ c) $2\sqrt{2}$
d) $2\sqrt{7}$ e) $\sqrt{7}$

6. En la figura, calcula "x".



- a) 12 b) 10 c) 8
d) 24 e) 6

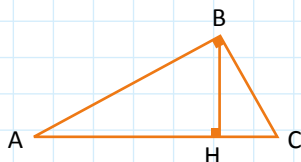
7. Calcula "x".



- a) $\sqrt{7}$ b) $\sqrt{21}$ c) $5\sqrt{2}$
 d) $\sqrt{2}$ e) $\sqrt{17}$

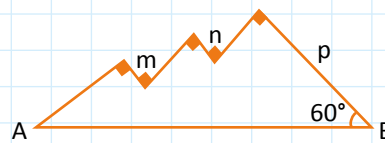
Nivel III

8. De la figura, calcula $BC + HC$.
 Si $AB/2 = BH = a$.



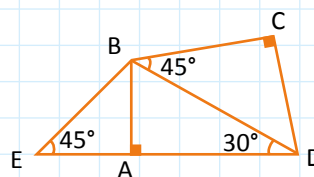
- a) $2a$ b) $3a$ c) $a\sqrt{3}$
 d) $a\sqrt{2}$ e) $2a\sqrt{3}$

9. De la figura, calcula $m + n + p$ si $AB = 18$.



- a) 18 b) 9 c) $9\sqrt{3}$
 d) $6\sqrt{3}$ e) 6

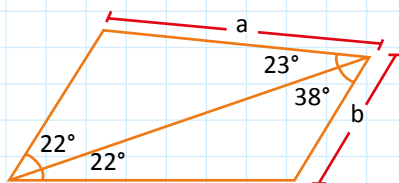
10. Calcula CD si $EB = 4\sqrt{2}$.



- a) 4 b) $4\sqrt{3}$ c) 6
 d) $4\sqrt{2}$ e) 8

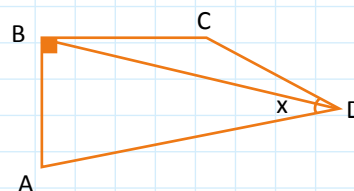
Tarea domiciliaria N° 5

1. Del gráfico, calcula a/b .



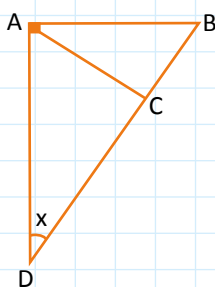
Rpta :

2. Del gráfico, $AB = BC = CD$ y $AD = BD$. Calcula "x".



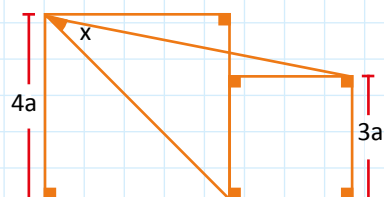
Rpta :

3. Si $BC = CA$ y $AB = CD$, halla x.



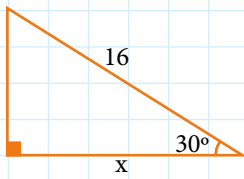
Rpta :

4. En la figura, se tiene dos cuadrados. Calcula "x".



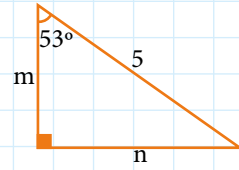
Rpta :

5. Calcula "x".



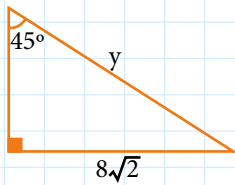
Rpta :

6. Calcula "mn".



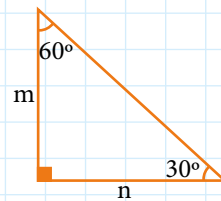
Rpta :

7. Calcula "y".



Rpta :

8. Halla $\frac{n}{m}$



Rpta :