1º A

3/06/20

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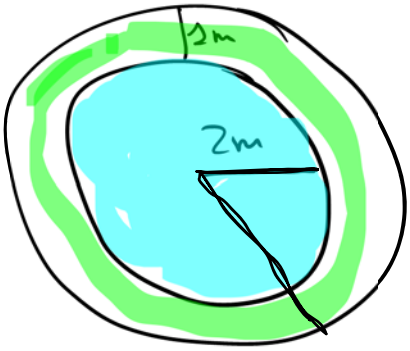

Área arbusto =

$= A_{\text{círculo grande}} - A_{\text{círculo pequeño}} =$

$= \pi \cdot 3^2 - \pi \cdot 2^2 =$

$= 15{,}71\ m^2$

Área de la fuente $= \pi \cdot r^2 = \pi \cdot 2^2 =$

$= 12{,}57\ m^2$

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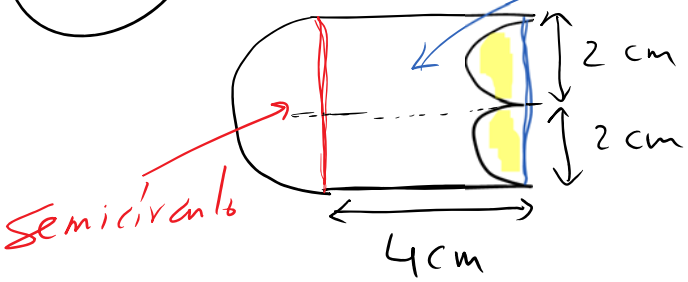
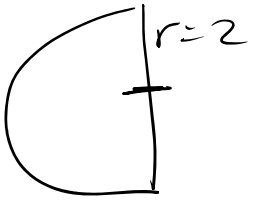
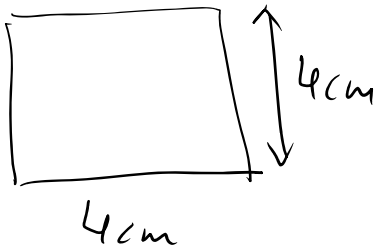


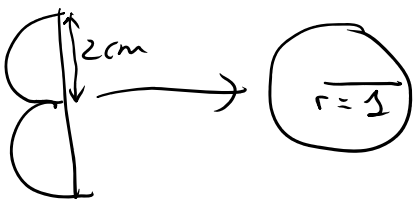
$A_{figura} = A_{semicírculo} + A_{cuadrado} - A_{círculo}$



$A_{semicírculo} = \frac{\pi \cdot 2^2}{2} = \frac{12{,}57}{2} = 6{,}29 cm^2$



$A_{cuadrado} = 4^2 = 16\ cm^2$



$A_{círculo} = \pi \cdot 1^2 = 3{,}14\ cm^2$

$A_{figura} = 6,29 + 16 - 3,14 = 19,15\ cm^2$

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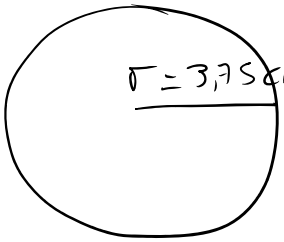
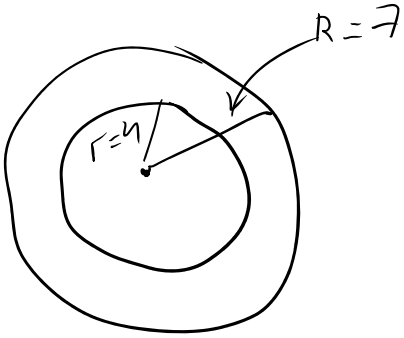


$A_{círculo} = \pi \cdot r^2 =$

$= \pi \cdot 3,75^2 = 44,18\ cm^2$

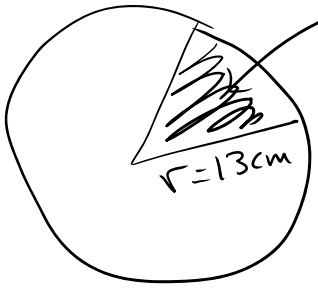
86



$A = \pi \cdot 7^2 - \pi \cdot 4^2 =$

$= 103,67\ cm^2$

88



$A = 48,57\ cm^2$

¿Amplitud? ¿nº?

$$A = \frac{\pi \cdot r^2 \cdot n^\circ}{360^\circ}$$

$$48,57 = \frac{\pi \cdot 13^2 \cdot n^\circ}{360^\circ}$$

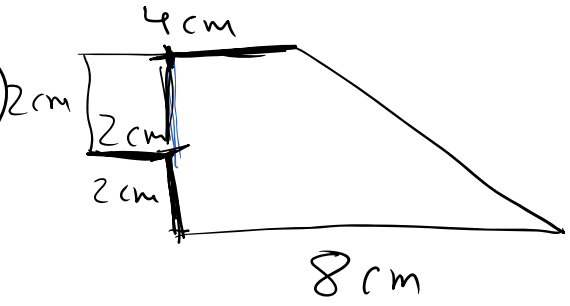
$$48,57 \cdot 360 = \pi \cdot 13^2 \cdot n^\circ$$

$$\frac{48,57 \cdot 360}{\pi \cdot 13^2} = n^\circ$$

$$32,93 = n^\circ$$

La amplitud del sector circular es de $32,93^\circ$.

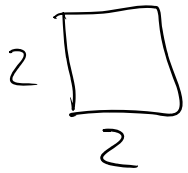
90



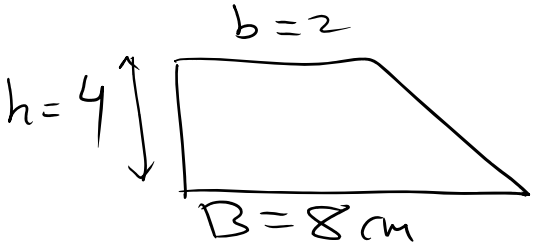
¿Área?

$A_{figura} = A_{cuadrado} + A_{trapecio} = 4 + 20 =$

$= 24\ cm^2$



$A_{cuadrado} = 2^2 = 4\ cm^2$



$A_{trapecio} = \frac{(B+b)h}{2} = \frac{(8+2)\cdot 4}{2} =$

$= 20\ cm^2$

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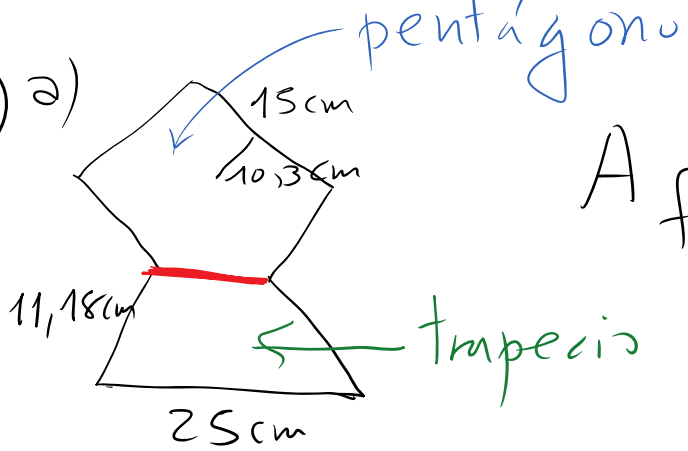
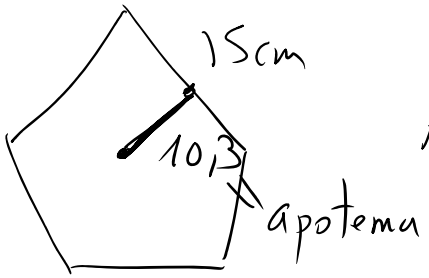
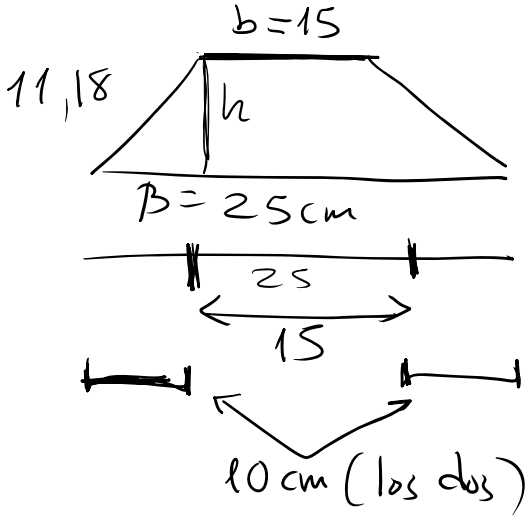


$A_{figura} = A_{pentágono} + A_{trapecio}$



$A_{pentágono} = \frac{P \cdot a}{2} = \frac{5 \cdot 15 \cdot 10,3}{2} =$

$= 386,25\ cm^2$



Teorema de Pitágoras

$11,18^2 = 5^2 + h^2$

$124,99 = 25 + h^2$

$124,99 - 25 = h^2$

$99,99 = h^2$

$\sqrt{99,99} = h$

$10 = h$

$A_{trapecio} = \frac{(B+b)h}{2} = \frac{(25+15)\cdot 10}{2} = 200\ cm^2$

$A_{figura} = 386,25 + 200 = 586,25\ cm^2$

Para hacer mañana jueves 4/06/20

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Las soluciones por la tarde en la web.

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