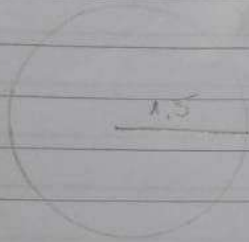


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## Tarefa Básica - Área de círculo

01)



$r = 1,5$

$C = 2\pi \cdot r$

$C = 23,14 \cdot 1,5$

$C = 6,28 \cdot 1,5$

$C = 9,42$

$1L = 6 \text{ kmv}$

Voltas percorridas

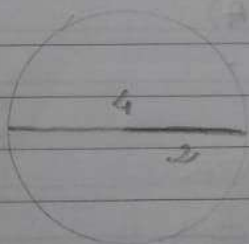
$120 : 6 = 20$

$720 = \boxed{76,43}$

$9,42$

R: (C).

02)



$d = 4$

$C = 2\pi \cdot r$

$4\pi \cdot 10 \text{ voltas} = \boxed{40\pi}$

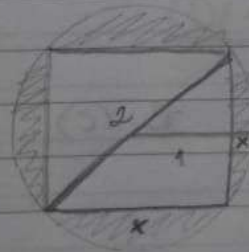
$r = 2$

$C = 2\pi \cdot 2$

$C = 4\pi$

R: (C).

03)



$r = 1$

$A_c = \pi \cdot r^2$

$A_c = 3,14 \cdot 1^2$

$A_c = 3,14$

$A = \pi \cdot r^2$

$A = \pi \cdot 1^2 - (\sqrt{2})^2$

$A = \pi - 2$

$d = 2 \rightarrow 2r = 2 \cdot 1 = 2$

$x^2 + y^2 = 2^2$

$2x^2 = 2^2$

$x^2 = \frac{4}{2}$

$x = \sqrt{2}$

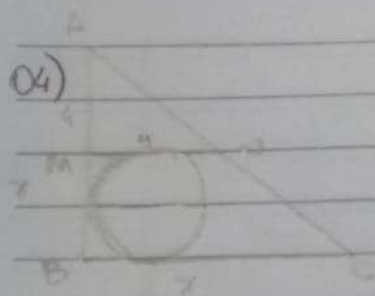
$x = \sqrt{2}$

R: (D).

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S T Q Q S S D

04)



$A_{\text{area}}$

$A_{\text{area}}$

$A_{\text{area}}$

$$A = \frac{b \cdot h}{2}$$

$$A = \frac{b \cdot h}{2}$$

$$A = \frac{32 \cdot 8}{2}$$

$$A = 24$$

$$A = \frac{8 \cdot 8}{2}$$

$$A = \frac{4 \cdot 4}{2}$$

$$\text{diámetro} = 4 \text{ cm}$$

$$\text{radio} = 2 \text{ cm}$$

$$A = \frac{64}{2}$$

$$A = \frac{16}{2}$$

$A_{\text{círculo}}$

$$A = 32 \text{ cm}^2$$

$$A = 8 \text{ cm}^2$$

$$A = \pi \cdot r^2$$

$$A = 31,4$$

$$A = 31,4$$

$$A = 12,4 \text{ cm}^2$$

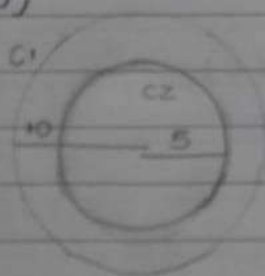
$$A_{\text{achurada}} = A_{\text{triángulo}} - A_{\text{círculo}}$$

$$A = 24 - 12,4$$

$$A = 11,6 \text{ cm}^2$$

$R(A)$

05)



C1

C2

RAZÃO

$$r = 10$$

$$r = 5$$

$$R = \frac{A_{C1}}{A_{C2}}$$

$$A = \pi \cdot r^2$$

$$C = 2\pi r$$

$$C_{C2}$$

$$A = 3,14 \cdot 10^2$$

$$C = 23,145$$

$$R = \frac{314}{31,4}$$

$$A = 314,100$$

$$C = 6,28 \cdot 5$$

$$31,4$$

$$A = 314,0$$

$$C = 31,4$$

$$R = 10$$

$R(C)$

$$06) d = 0,2 \cdot 10^{-3}$$

$$\text{velocidade} = x$$

$$A = 5000000^2$$

$$x^2 = 100x = 10 \text{ mm} \rightarrow \text{Pitágoras}$$

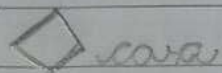
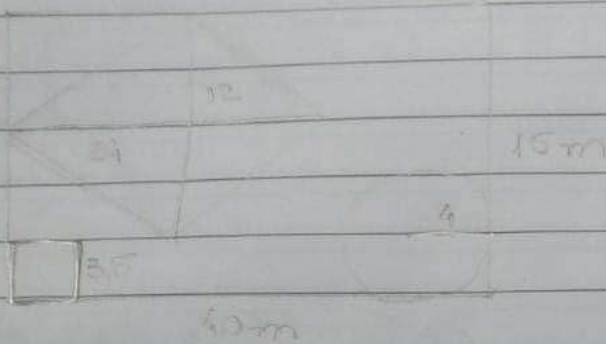
$$A = 25 \cdot 10^{-10}$$

$$x = \frac{10}{0,2 \cdot 10^{-3}} = 5000000$$

\_\_\_/\_\_\_/\_\_\_

S T Q Q S S D

07)



cava

$A_{\text{losango}}$

$$A = \frac{d_1 \cdot d_2}{2}$$

2

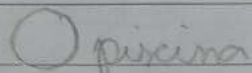
$$A = \frac{12 \cdot 24}{2}$$

2

$$A = \frac{288}{2}$$

2

$$A = 144 \text{ m}^2 \rightarrow 144$$



piscina

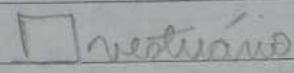
$A_{\text{círculo}}$

$$A = \pi \cdot r^2$$

$$A = 3,14 \cdot 4^2$$

$$A = 3,14 \cdot 16$$

$$A = 50,24 \text{ m}^2$$



vestibulo

$A_{\text{quadrado}}$

$$A = l^2$$

$$A = 3,5^2$$

$$A = 12,25 \text{ m}^2$$

$A_{\text{total}}$

$$A = b \cdot l$$

$$A = 40 \cdot 15$$

$$A = 600 \text{ m}^2$$

$A_{\text{gramado}}$

$$A = 600 - 144 - 50,24 - 12,25$$

$$A = 393,51$$

↳ Preço da grama:

$$= 393,51 \cdot 240$$

$$= \boxed{944,18}$$

B: (c).