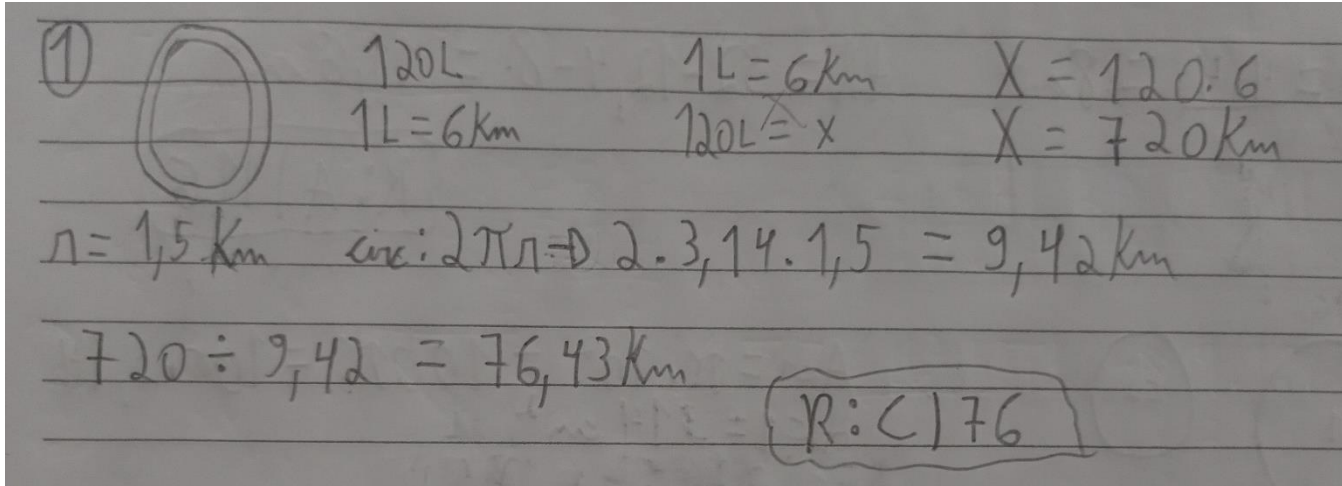
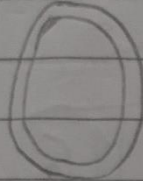


Área do Círculo:

1.



①  $120L$ $1L = 6km$ $X = 120 \cdot 6$
 $1L = 6km$ $120L = X$ $X = 720km$

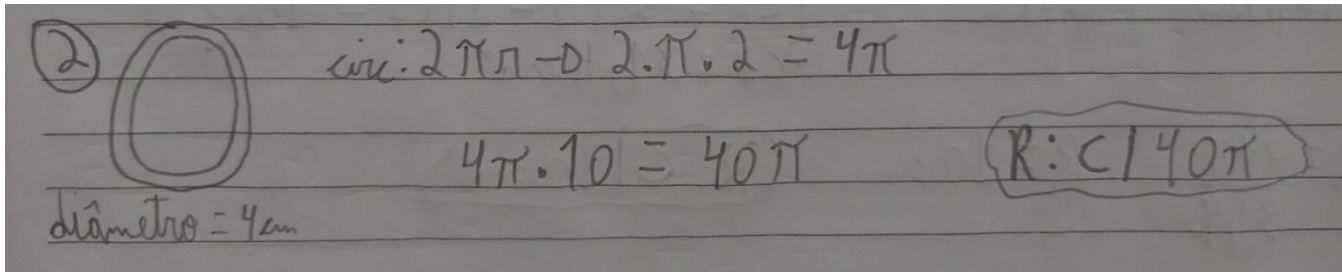
$r = 1,5km$ $circ: 2\pi r \rightarrow 2 \cdot 3,14 \cdot 1,5 = 9,42km$

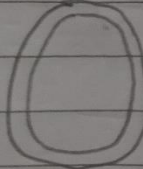
$720 \div 9,42 = 76,43km$

$R: C/76$

R: c) 76

2.



②  $circ: 2\pi r \rightarrow 2 \cdot \pi \cdot 2 = 4\pi$

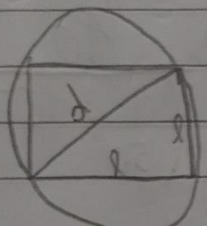
$4\pi \cdot 10 = 40\pi$ $R: C/40\pi$

$diâmetro = 4cm$

R: c) 40π

3.

③



$$d^2 = l^2 + l^2$$

$$2^2 = l^2 + l^2$$

$$4 = 2l^2$$

$$l = \sqrt{2}$$

$$A_c = \pi r^2$$

$$A_c = \pi \cdot 1^2$$

$$A_c = \pi$$

$$A_q = l \cdot l$$

$$A_q = \sqrt{2} \cdot \sqrt{2}$$

$$A_q = 2$$

$r = 1$

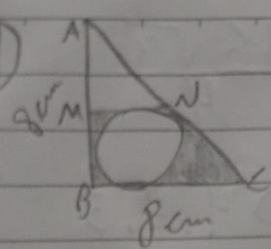
$$A_c - A_q = \pi - 2$$

(R: D) igual a $\pi - 2$

R: d) igual a $\pi - 2$.

4.

④



$\pi = 3,1$

$$X^2 = 8^2 + 8^2$$

$$X^2 = 64 + 64$$

$$X = \sqrt{128}$$

$$X = 8\sqrt{2}$$

$$AB, BC = 8 \text{ cm}$$

$$AM, MB, MN = 4 \text{ cm}$$

$$AN, NC = 4\sqrt{2} \text{ cm}$$

$$AC = 8\sqrt{2} \text{ cm}$$

$$A_{\Delta ABC} = \frac{8 \cdot 8}{2} = 32 \text{ cm}^2$$

$$A_{\text{circ}} = \pi r^2 = 3,1 \cdot 2^2 = 12,4$$

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

$$A_{\Delta AMN} = \frac{4 \cdot 4}{2} = 8 \text{ cm}^2$$

$$A_R = 32 - 12,4 - 8 = 11,6 \text{ cm}^2$$

(R: A) 11,6

R: a) 11,6

5.

⑤

c_1 c_2

$A_{c1} = \pi \cdot 10^2 = 100\pi = 100 \cdot 3,14$
 $A_{c1} = 314 \text{ cm}^2$

$R_1 = 10 \text{ cm}$ $R_2 = 5 \text{ cm}$

$P_{c2} = 2\pi R = 2\pi 5 = 10 \cdot 3,14$
 $P_{c2} = 31,4 \text{ cm}^2$

$R = \frac{314}{31,4}$ $R = 10 \text{ cm}$ $(R: C | 10 \text{ cm})$

R: c) 10cm

6.

⑥ $d = 0,02 \cdot 10^{-3} \text{ mm}$ $\text{mm filo} = 10 \text{ mm}$

$A = 1 \text{ cm}^2$

$\frac{10}{0,02 \cdot 10^{-3}}$ $\frac{10}{1 \cdot 10^{-3}}$
 $\frac{10}{10^{-3}}$ $\frac{10}{50}$

$\frac{10 \cdot 50}{10^{-3}} \rightarrow 10^{1-(-3)} \cdot 50 \rightarrow 10^4 \cdot 50 \rightarrow 10000 \cdot 50 \rightarrow 500000$

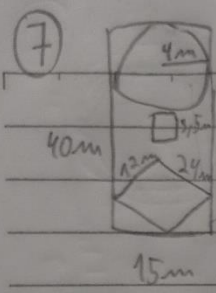
$5 \cdot 10^5 \cdot 5 \cdot 10^5 = 25 \cdot 10^{10}$

$(R: C | 25 \cdot 10^{10})$

R: c) $25 \cdot 10^{10}$

7.

⑦



$A_9 = 3,5^2 = 12,25 \text{ m}^2$
 $A_C = \pi r^2 = \pi \cdot 4^2 = 16\pi \text{ m}^2 \text{ ou } 50,25 \text{ m}^2$
 $A_D = \frac{12 \cdot 2,4}{2} = 12 \cdot 12 = 144 \text{ m}^2$
 $AR = 40 \cdot 15 = 600 \text{ m}^2$
 $Grama = 600 - (144 + 50,25 + 12,25)$
 $Grama = 600 - 206,50$
 $Grama = 393,50 \text{ m}^2$
 $393,5 \cdot 2,4 = 944,4$
(R: C) R\$ 944,40

R: c) R\$944,40