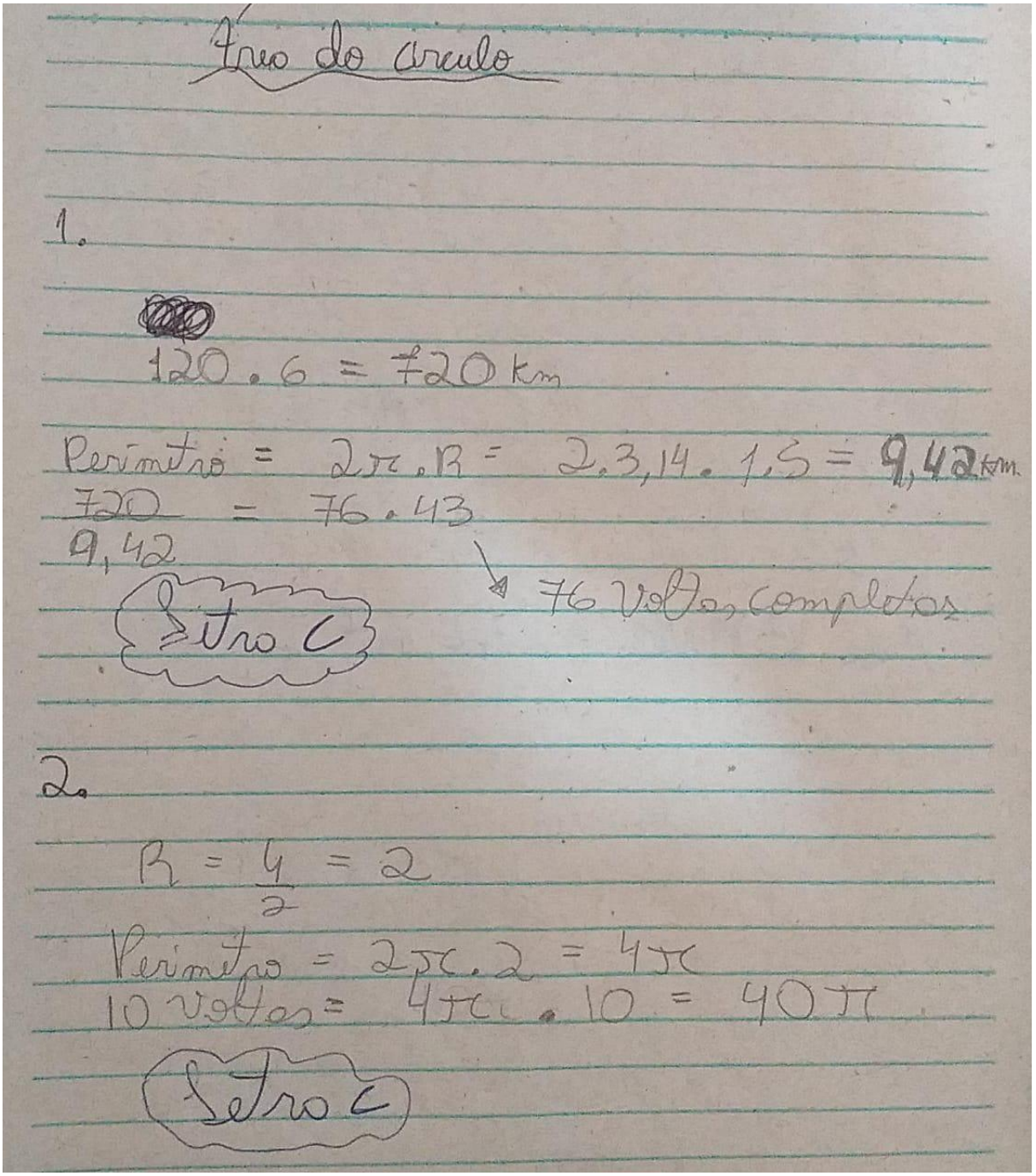
Nome: Arthur Hernandes Silva de Souza **CTII 350**



Teto do círculo

1.

120 . 6 = 720 km

Perímetro = 2π . R = 2 . 3,14 . 1,5 = 9,42 km

720 = 76 . 43
9,42

76 voltas completas

Letra C

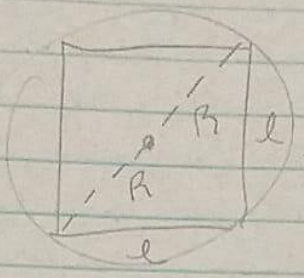
2.

$R = \frac{4}{2} = 2$

Perímetro = 2π . 2 = 4π
10 voltas = 4π . 10 = 40π

Letra C

3.



Diagonal Quadrado = $2r$

$2l^2 = 4$

$l^2 = \frac{2}{2}$

$l = \sqrt{2}$

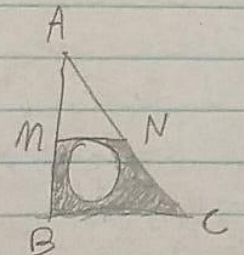
Letra D

Area Quadrado = $R^2 = \sqrt{2}^2 = 2$

Area Circ. = $\pi . R^2 = \pi$

Area externa = $\pi - 2$

4.



$A_{ABC} = \frac{8^2}{2} = 32$

$A_{AMN} = \frac{4^2}{2} = 8$

Raio circulo = $\frac{4}{2} = 2$

Area Circulo = $3,1 . 2^2 = 12,4$

Area Hachurada = $32 - 8 - 12,4$

Area Hachurada = $11,6$

Letra A

5.

Area C1 = $\pi . 10^2 cm = 100\pi$ cm

Pe. C2 = $2\pi . 5cm = 10\pi$ cm

$\frac{100\pi cm}{10\pi cm} = 10$ cm

Letra C

6.

$0,02 \cdot 10^{-3} = 2 \cdot 10^{-5}$

$1 cm^2 = 100 mm^2$

Quantos vírus cabem em 1 mm?

$\frac{1}{2 \cdot 10^{-5}} = 50000$ em uma fileira.

$(5 \cdot 10^4) \cdot (5 \cdot 10^4) = 25 \cdot 10^8$

$25 \cdot 10^8 \cdot 100 = 25 \cdot 10^{10}$

Item C

7.

$15 \cdot 40 = 600 m^2$

$\text{casa} = \frac{12 \cdot 24}{2} = 144 m^2$

$\text{Piscina} = 3,14 \cdot 4^2 = 50,24 m^2$

$\text{Varanda} = 3,5 \cdot 3,5 = 12,25 m^2$

$144 + 50,24 + 12,25 = 206,49 m^2$

$600 - 206,49 = 393,51 m^2$

$393,51 \cdot 2,4 = R\$ 944,424$

Item C