

2.3.4.9 id
Tarefa área do círculo - CT 11317

1)

Comprimento círculo ; 2. Pi.r

$$\text{Pi} = 3,14$$

$$r = 1,5 \text{ Km}$$

$$2 \cdot 3,14 \cdot 1,5 = 9,42$$

$$6 \cdot 120 = 720$$

$$\frac{720}{9,42} = 76,43 \dots \approx 76$$

2)

$$D \cdot (2 \cdot \pi \cdot r) =$$

$$10 \cdot (2 \pi \cdot 2) =$$

$$10 \cdot (4 \pi) =$$

$$= 40 \pi$$

$$10 \cdot 4 \pi = 40 \pi$$

3)

$$\text{Área} = \pi \cdot r^2$$

$$A = 3,14 \cdot (1^2)$$

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

Diagonal $q = \text{Diámetro círculo}$

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

$$d^2 = 2l^2 \rightarrow D = 2 \cdot r = 1 \cdot 2 = 2$$

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

$$l^2 = 2$$

$$l = \sqrt{2}$$

Área quadrado =

$$A_{\text{quad}} = l^2$$

$$A_{\text{quad}} = (\sqrt{2})^2$$

$$A_{\text{quad}} = 2 \times ^2$$

Área exterior

área interior

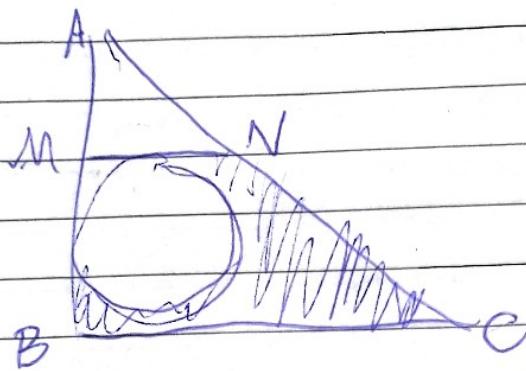
$$A_C - A_Q$$

$$3,14 - 2$$

$$1,14 \times ^2$$

$$\pi - 2$$

4)



Trapezio $MNCB$

$$A_T = \frac{(B+b)}{2} h$$

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$$A_T = \frac{(18+4)}{2} \cdot 9$$

semibase trapezio:

$$A_T = \frac{48}{2}$$

$$\frac{ab}{2} = \frac{bc}{mn}$$

$$A_T = 24 \text{ cm}^2$$

$$\frac{2}{4} \times \frac{8}{8}$$

Area Circulo:

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

$$A_C = 3,1 \cdot 2^2$$

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

$$x = \frac{32}{8} = 4$$

Area Trapezo - Area Circulo

$$A_T - A_C =$$

$$24 - 12,4 = 11,6 \text{ cm}^2$$

67

L (min):

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

$$N = \frac{10}{0,02 \cdot 10} \cdot 10^{-3}$$

$$N = 500000$$

class looks:

$$N = 6000000$$

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

7) Achse Ausführung:

$$\text{Area} = \text{frente} \cdot \text{breite}$$

$$A_{\text{vor}} = 15 \cdot 20$$

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

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

Area da casa:

$$\text{Area da casa} = \frac{(D_1 + D_2) \cdot D_3}{2}$$

$$\frac{(24 + 12)}{2} = A_c$$

$$A_c = 228 \text{ m}^2$$

$$\text{Area casa} = 288 \text{ m}^2$$

7)

$$A_1 = b \cdot h = 40 \cdot 25 = 600$$

$$A_C = \frac{(D \cdot d)}{93,2} = \frac{24 \cdot 12}{93,2} = 144$$

$$A_p = \pi \cdot r^2 = 3,14 \cdot 16 = 50,24$$

$$A_f = t^2 = 3,5^2 = 12,25$$

$$A_g = A_f + (A_C + A_p + A_f) \cdot \alpha$$

$$A_g = 600 + (144 + 50,24 + 12,25)$$

$$A_g = 393,51$$

$$1 \text{ m}^2 \rightarrow 2,40$$

~~$$393,51 \rightarrow x$$~~

$$x = 393,51 \cdot 2,40$$

$$x = 944,42 \approx 944,40$$