

2. 3,14 x 2  
Tarefa área do círculo - CT 11 3 17

1)

Componentes círculo:  $2 \cdot \pi \cdot r$

$$\pi = 3,14$$

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

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

$$6 \cdot 120 = 720$$

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

2)

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

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

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

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

3)

$$A_{\text{area}} = \pi \cdot r^2$$

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

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

Diagonal  $d =$  Diámetro círculo

$$d^2 = 1^2 + 1^2$$

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

$$d^2 = 2 \cdot 1^2$$

$$L^2 = 2$$

$$L = \sqrt{2}$$

$$D = 2 \cdot r = 1 \cdot 2 = 2$$

Area quadrado =

$$A_{\text{sq}} = L^2$$

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

$$A_{\text{sq}} = 2 \cdot 1^2$$

Area exterior no interior

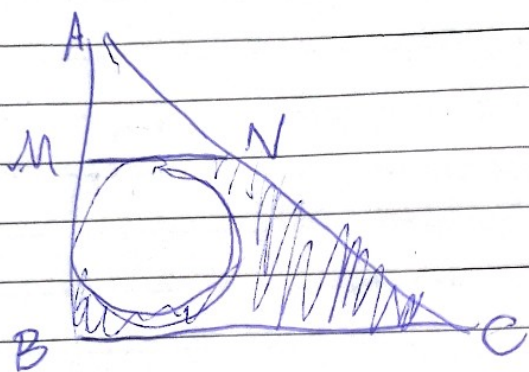
$$A_c - A_q$$

$$3,14 - 2$$

$$1,14 \cdot \pi^2$$

$$\pi - 2$$

4)



Trapezio MNCB

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

semelhaça triangular

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

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

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

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

$$A_T = \frac{(8+4)4}{2}$$

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

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

Área Círculo:

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

$$A_C = 3.14 \cdot 2^2$$

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

Área Trapezo - Área círculo

$$A_T - A_C =$$

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

6)

L (mm):

$$x^2 = 100x = 10 \text{ m m}$$

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

$$N = 5000000$$

class lados:

$$N = 5000000^2$$

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

7) Área Área Triângulo:

$$\text{Área} = \text{frente} \cdot \text{profundidade}$$

$$\text{Área} = 15 \cdot 40$$

$$\text{Área} = 600 \text{ m}^2$$

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

Área da casa:

$$\text{Área do círculo} = \frac{D \cdot D}{2}$$

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

$$A_c = 288 \text{ m}^2$$

$$\text{Área Casa} = 288 \text{ m}^2$$

7)

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

$$A_c = (w \cdot d) = 24 \cdot 12 = 144$$

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

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

$$A_g = A_r - (A_c + A_p + A_v) \text{ m}^2$$

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

$$A_g = 393,51$$

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

$$393,51 = x$$

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

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