área do círculo

1) $a = \frac{120 \cdot 6}{2\pi 1,5}$

$a = \frac{60 \cdot 6}{\pi \cdot 3/2}$

$a = \frac{360}{3\pi/2}$

$a = \frac{240}{\pi} \approx 76$

letra c

2) $r = 2m$ 10 voltas

$C_1 = 2\pi \cdot r \rightarrow C_1 = 4\pi$

$10 \cdot C_1 = 10 \cdot 4\pi$

$C_1 = 40\pi$ letra c

3) A pedida:

$(\pi r^2 - l^2)$

$l^2 = \overline{OA}^2 + \overline{OB}^2 = 1^2 + 1^2 = 2$

$l^2 = 2$

$l = \sqrt{2}$ (lado do quad)

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

$A = \pi - 2$ letra c

4) Área do trapézio

$A = \frac{(B+b)h}{2}$ $B = 8, b = ?$

$A = \frac{(8+4)4}{2}$ $\frac{2b}{2m} = \frac{bc}{mn}$

$A = \frac{48}{2}$ $\frac{8}{4} = \frac{8}{x}$

$x = 4$

$A = 24cm^2$

Área do círculo:

$A_c = \pi r^2$

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

$A_c = 12,4 cm^2$

($A_t - A_c = A$ hachadura)

$24 - 1,4 = 11,6 cm^2$ letra a

6) lado do quad.:

$l^2 = 100$

$l = \sqrt{100}$

$l = 10mm$

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

$n = 500000$ vírus

$n = 500000 \cdot 500000$

$n = 25 \cdot 10^{10}$ vírgula

letra e

7) $A_{retan.} = b \cdot h$

$A_r = 40 \cdot 15$

$A_r = 600 m^2$

$A_{lon} = \frac{D \cdot d}{2}$

$A_1 = \frac{24 \cdot 12}{2}$

$A_1 = \frac{288}{2}$

$A_1 = 144 m^2$

$A_c = \pi r^2$

$A_c = 3,144 \cdot 4^2$

$A_c = 50,24 m^2$

$A_q = 1^2$

$A_q = 3,5^2$

$A_q = 12,25 m^2$

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

R$ 2,40

$2,40 \cdot 393,51 = 944,42$

letra c