Tarefa Básica

1) $\frac{120.6}{2\pi 1,5} \simeq 76$ (C)

2)

$r = 2m \quad C_1 = 2\pi . r \rightarrow C_1 = 4\pi$

$10 \text{ voltas} \rightarrow 10 . C_1 = 10 . 4\pi = 40\pi \text{ cm}$ (C)

3)

$A_C = \pi . r^2$
$= 3,14 \times (1)^2$
$A_C = 3,14 u^2$

$d^2 = l^2 + l^2$
$= 2l^2$
$d = 2.r = 1.2 = 2$
$2^2 = 2l^2$
$l^2 = 2$
$l = \sqrt{2}$

$a_q = l^2$
$= (\sqrt{2})^2$
$a_q = 2 u^2$

$= A_C - a_q$
$= 3,14 - 2$
$= 1,14 u^2$ (D)

4)

$\frac{ab}{am} = \frac{bc}{mn} = \frac{8}{4} = \frac{8}{x} = x = 4$

$A = \frac{(8+4)4}{2} = \frac{48}{2} = 24 \text{ cm}^2$

$A_c = \pi \times r^2$
$= 3,1 \times 2^2$
$= 12,4 \text{ cm}^2$

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

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6) $N = \frac{10}{0,02.10^{10-3}}$

$N = 5000000$

$N = 5000000 . 5000000 = 25 \times 10^{10}$ (C)

7)

$A_T = b.h = 40.25 = 600$

$A_c = \frac{(D.d)}{2} = \frac{24.12}{2} = 144$

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

$A_v = l^2 = 3,5 . 3,5 = 12,25$

Gramado $= A_T - A_c - A_p - A_v$

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

$= 600 - 206,49 = 393,51$

$1\ m^2 \rightarrow 2,40$

$393,51 \rightarrow x$

$x = 393,51 . 2,40$

$x = 944,424 \cong 944,40$ (C)