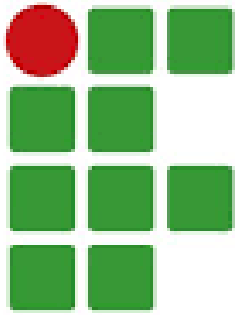

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SALA: 317

MATEMATICA

SEMANA 27

DOM | LUN | MAR | QUA MIÉ | QUI JUE | SEX VIE | SÁB SÁB

(1) a) $400\ell^2 = 36 \rightarrow \ell^2 = \frac{36}{400} = \frac{6}{20} = 0,3^2$ $\boxed{0,09\ m^2}$

$6 \cdot 0,3 \cdot 4 = \boxed{7,2\ m}$

(2) $A_2 = 2A \rightarrow y^2 = 2x^2$

$y = \sqrt{2}x^2 \rightarrow \boxed{y = x\sqrt{2}}$

Resposta: D

(3) $\frac{10h}{2} = 15 \rightarrow 10h = 30 \rightarrow h = \frac{30}{10} = \boxed{3}$

Resposta: D

(4) $a + 3 + 1 + a = 16$

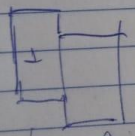
$2a + 4 = 16$

$2a = 12$

$a = 6$

$(a+4)(a+1) = 10 \cdot 7 = \boxed{70\ m^2}$

(5)



(I) $A = 2,5 \cdot 6 = 15\ m^2$

(II) $6 - 1,2 - 4,8$

$3,5 - 2,5 = 1$

$A = 4,8 \cdot 1$

$A = 4,8\ m^2$

(III)

$4,8 + 0,8 = 5,6$

$\ell = 4 \rightarrow A = 5,6 \cdot 4$

$A = 22,4\ m^2$

$\rightarrow 15 + 4,8 + 22,4 = \boxed{44,2\ m^2}$

(7) $\frac{(x + 2x) \cdot h}{2} = 36 \rightarrow x \cdot h = \frac{72}{3} = 24\ m^2$

$(x + 2x)h = 72$

$3x \cdot h = 72$

Resposta (E)

Resposta: (E)

(8) $A_{Fgh} = \frac{1}{4}$ $\left\{ \begin{array}{l} A_{Fgh} = \frac{1}{4} \\ \frac{2}{4} = \frac{1}{2} \end{array} \right.$

Resposta: (D)

(9) $4\pi - \left(\frac{6 \cdot 6}{2} + \frac{8 \cdot 2}{2}\right)$

$4\pi - [18 + 8]$

$4\pi - 26$

22

Resposta: (E)

(10) $\frac{AD^2}{64} = \frac{1}{2}$ $\quad 2AD^2 = 64$

$AD^2 = 32$

$AD = \sqrt{32} = \sqrt{4^2 \cdot 2} = \boxed{4\sqrt{2}}$

Resposta: (A)

(11) $S_{abc} = 96\,m^2$

$\left(\frac{S_{abc}}{S_{amn}}\right)^2 = k^2 \Rightarrow \frac{S_{amn}}{96} = \left(\frac{1}{2}\right)^2$

$\frac{96}{4} = 24\,m^2$

$S_{amn} = 24\,m^2$

$S_{mbcn} = 96 - 24$

$\boxed{72\,m^2}$