Tarefa Básica

1. $(6-2) \cdot 180° = 720°$

$x^2 = 5^2 + 5^4$

$x^2 = 50$

$x = 5\sqrt{2}$

$ABde = A = 5 \cdot (5\sqrt{2})$

$A = 25(\sqrt{2})$

$A = \dfrac{25}{2}$

$A = A = \dfrac{5\sqrt{2} \cdot 5\sqrt{2}}{2}$

$A = \dfrac{25}{2}$

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② $\triangle$ retângulo

$H = \dfrac{(5 \cdot 5)^U}{5\sqrt{2}} = \dfrac{5\sqrt{2}}{2}$

$A = 25 + 25\sqrt{2}$

$A = 25(\sqrt{2} + 1)$

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2. $A = \dfrac{l^2 \sqrt{3}}{4}$

$16\sqrt{3} = \dfrac{l^2 \sqrt{3}}{4}$

$64\sqrt{3} = l^2 \sqrt{3}$

$\dfrac{64\sqrt{3}}{\sqrt{3}} = l^2$

$64 = l^2 = l = 8$

altura: $h = \dfrac{81\sqrt{3}}{2}$

$h = 4\sqrt{3}$

♥ $4\sqrt{3} = l\sqrt{2}$

$l = \dfrac{4\sqrt{3}}{\sqrt{2}}$

$l = \dfrac{4\sqrt{6}}{2}$

$l = 2\sqrt{6}$

$A = (2\sqrt{6})^2$

$A = 4 \cdot 6$

$A = 24 \, m^2$

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3. $\dfrac{2h_1}{2} + \dfrac{2h_2}{2} + \dfrac{2h_3}{2} = Abc = \sqrt{3}$

$APa + Apb + bPc$

$h_1 + h_2 + h_3 = \sqrt{3}$

$\dfrac{2^2 \sqrt{3}}{4} = \sqrt{3}$

4. $mn = \frac{1}{2}bc$ $\dfrac{S\triangle Amn}{S\triangle Abc} = \dfrac{1}{4}$ $S\triangle Amn = \dfrac{1}{4} SABC$

♥

$S\triangle ABC = x + S\triangle Amn \Rightarrow x = S\triangle ABC - S\triangle Amn$

$x = 96 - \frac{1}{4}(96 \Rightarrow x = 96 - 24 = 72\ m^2$

5. $AB = 10$ $AC^2 + BC^2 = AB^2 \rightarrow AC^2 + 6^2 = (5+5)^2 \rightarrow AC = 8$
   $BC = 6$

   $S = \dfrac{6 \cdot 8}{2} = 24_{||}$

6. $L = 4\,cm$ $\triangle Abc: [ABC] = \left[\dfrac{L \cdot L \cdot sen(B)}{2}\right]$

   $[ABC] = \left[\dfrac{4 \cdot 4\ sen(120)}{2}\right]$