Tarefa básica

1. $2x^2 + 12x = 80$
$2x^2 + 12x - 80 = 0$
$\Delta = 12^2 - 4 \cdot 2 (-80) =$
$144 + 320 = 784$

$x = \frac{-12 \sqrt{784}}{4} = \frac{-12 + 28}{4} = 4\ m$ ♥

2. $A_L = 24\sqrt{3} \times 2\sqrt{3}$
$A_L = 48\sqrt{3}\ cm^3$

3. $A_b = \frac{6 \cdot 2^2 \sqrt{3}}{4} = 6\sqrt{3}$ $A_L = 6 \cdot 2\sqrt{3} = 12\sqrt{3}$

$A = 12\sqrt{3} + 2 \cdot 6\sqrt{3}$
$A = 12\sqrt{3} + 12\sqrt{3}$
$A = 24\sqrt{3}$

♥ 4. $5^2 = h^2 + 3^2$
$25 = h^2 + 3^2$
$25 = h^2 + 9$
$-h^2 = 9 - 25$
$-h^2 = -16\ (-1)$
$h^2 = 16 = 4$

$A = \frac{4 \cdot (10)}{2}$
$A = \frac{40}{2}$
$A = 20$

$V = 20 \cdot 5 = 100$

5. $Sb = \frac{15 \cdot 10}{2} = 75$ $V = 75 \cdot 10 = 750\ cm^3$

6. $4x^3 = 6 \cdot x \cdot y + 4 \cdot y^2$
$2x^2 = 3 \cdot x \cdot y + 2 \cdot y^2$
$V = x \cdot y \cdot z = x \cdot y \cdot 2 \cdot y$
$V = 2 \cdot y^2 \cdot x$

$V = 2x^2 - 3x^2 \cdot y$

Tarefa básica

1. C = 51 cm - 2 · 0,5 cm = 50 cm
L = 26 cm - 2 · 0,5 cm = 25 cm
A = 12,5 cm - 0,5 cm = 12 cm

$0,5 \cdot 0,25 \cdot 0,12 = 0,015 cm^3$

2. $72 = 6x^2$ $d = 2\sqrt{3} \cdot \sqrt{3}$
$x^2 = 12$ $d = 2 \cdot 3 = 6_{//}$
$x = 2\sqrt{3}$ m

3. $a = \frac{50}{100} = 0,5$ m $V = 0,5^3 = 0,125 m^3$

$V = 0,125 \cdot 1000 = 125_{//}$

4. $1000(1-x) = 999x$
$1000 - 1000x = 999$
$1000x = 999 - 1000$
$1000x = 1$
$x = 1/1000 = 0,001 m_{//}$

5. dobra · 2 = quadruplo (4 vezes)

6. $V = (4\sqrt{3})^3$
$V = 64 \cdot 3\sqrt{3}$
$V = 192\sqrt{3}$

$192\sqrt{3} = h \cdot [(4\sqrt{3})^2 \cdot \sqrt{3}] / 4$
$192\sqrt{3} = h(16 \cdot 3\sqrt{3}) / 4$
$4 \cdot 192\sqrt{3} = h \, 48\sqrt{3}$
$h = (4 \, 192\sqrt{3}) / 48\sqrt{3}$
$h = 4 \cdot 4 = 16_{//}$

$Ap = 2 \cdot [(4\sqrt{3})^2 2\sqrt{3}]$
$4 + 3 \cdot 16 \cdot 4\sqrt{3}$
$Ap = 2[(16 \cdot 3) \cdot \sqrt{3})]$
$4 + 192\sqrt{3}$
$Ap = \frac{2(48\sqrt{3})}{4 + 192\sqrt{3}}$
$Ap = 24\sqrt{3} + 192\sqrt{3}$
$Ap = 216\sqrt{3}_{//}$