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Cilindros

1. $Ab = 6.h$ $\quad H8 = \frac{2x^2.8}{3}$ $\quad x^2 = \frac{48.3}{16}$ $\quad x = 3,0$ **letra C**

$Ab = x.2x$ $\quad 16x^2 = 48.3$ $\quad x^2 = 3.3$

$Ab = 2x^2\ cm^2$

2. $x^2 = 30^2 + 40^2$ $\quad \frac{80.50}{2} = 2000$ $\quad x^2 = \sqrt{2500}$ $\quad x = 50$

$x^2 = \sqrt{2500}$ $\quad x = 50$

$4.2000 = 8000$ $\quad 80.80 = 6400$ $\quad 8000 + 6400 = 14400$ **letra E**

3. $\sqrt{2}.\sqrt{2} = 2cm$ $\quad 2 = h^2 + 4$ $\quad h = \sqrt{2}$

$(\sqrt{2})^2 = h^2 + 24$ $\quad h^2 + 4 - 2$ $\quad h = 1$ **letra C**

6. $Ab = 6.1^2.\frac{\sqrt{3}}{4}$ $\quad \frac{6\sqrt{3}}{4}$ $\quad Ab = \frac{3\sqrt{3}}{2}\ cm^2$ $\quad V = \left(\frac{1}{3}\right).8.\frac{3\sqrt{3}}{2}$

$V = 4\sqrt{3}\ cm^3$ **letra A**

8. $At = a^2\sqrt{3}$ $\quad h = \frac{a\sqrt{6}}{3}$ $\quad h = \frac{\sqrt{36}}{3}$ $\quad h = 2\ cm$ **letra A**

$6\sqrt{3} = a^2\sqrt{3}$ $\quad h = \frac{\sqrt{6}.\sqrt{8}}{3}$ $\quad h = \frac{6}{3}$

$a = \sqrt{6}$