

**GM124 Cylindre et cône**

$$\text{a) } V_{\text{cône}} = \frac{\pi \cdot r^2 \cdot h}{3} = \pi \cdot r^2 \cdot 2r = V_{\text{cylindre}} \Rightarrow h = 6r$$

$$\text{b) } V_{\text{cône}} = \frac{\pi \cdot r^2 \cdot h}{3} = 2 \cdot (\pi \cdot r^2 \cdot 2r) = 2 \cdot V_{\text{cylindre}} \Rightarrow h = 12r$$

$$\text{c) } V_{\text{cône}} = \frac{\pi \cdot r^2 \cdot h}{3} = \frac{1}{2} \cdot (\pi \cdot r^2 \cdot 2r) = \frac{1}{2} \cdot V_{\text{cylindre}} \Rightarrow h = 3r$$