B)

1) $AO^2=125$ $AO=5\sqrt{5}\approx 11,2cm$ $AC=10\sqrt{5}\approx 22,4cm$ $AC^2=500$

$AB^2=250$ $AB=5\sqrt{10}\approx$ **15,8cm**

2) $V_P=\frac{2500}{3}\approx$ **833,3cm³**

3) $V_C=\frac{1250\pi}{3}\approx$ **1309cm³**

4)a) $SI^2=\frac{325}{2}$ $SI=\frac{5}{2}\sqrt{26}\approx 12,7cm$ $Aire(SAB)=\frac{25\sqrt{65}}{2}\approx 201,5cm^2$

$AireLatérale=50\sqrt{25}\approx$ **403,1cm²**

b) $AireLatéraleCône=75\pi\sqrt{5}\approx$ **526,9cm²**

5) $V'_C=\left(\frac{4}{15}\right)^3 V_c=\frac{64}{3375}\times\frac{1250\pi}{3}=\frac{640\pi}{81}\approx$ **24,8cm³**