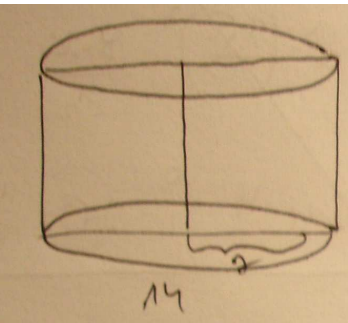
ZAD



$r = 7$

$h = 9$

$V = P_{podst} \cdot h$

$P_{podst} = \pi r^2 \quad \pi \cdot 7^2 = 49\pi$

$V = 49\pi \cdot 9 = 441\pi$

$P_{pow} = 2P_{podst} +$

$+ P_{boku} =$

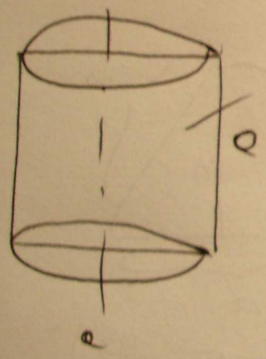
$= 2\pi r^2 + \pi r \cdot h =$

$= 2\pi \cdot 7^2 + \pi \cdot 7 \cdot 9\pi =$

$= 98\pi + 63\pi =$

$= 159\pi$

ZAD



$P_{\square} = 144$

$P_{\square} = a^2$

$a^2 = 144 \quad / \sqrt{}$

$a = \sqrt{144} = 12$

$r = \frac{a}{2} = \frac{12}{2} = 6$

$P_{boku} = \pi r \cdot h$

$r = 6$

$h = a = 12$

$P_{boku} = \pi \cdot 6 \cdot 12 = 72\pi$