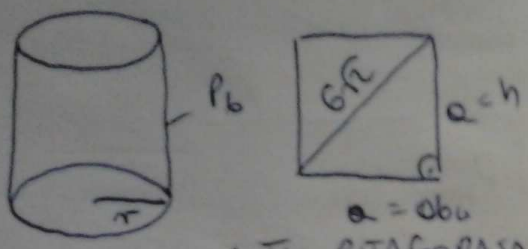
ZAD. 5.21 a



$a = Ob_u$

2 TW. PITAGORASA

$a^2 + a^2 = (6\sqrt{2})^2$

$2a^2 = 72 \quad /:2$

$a^2 = 36 \quad /\sqrt{}$

$a = \sqrt{36} = 6$

$Ob_u = 2\pi r$

$6 = 2\pi r \quad /:2\pi$

$r = \frac{6}{2\pi} = \frac{3}{\pi}$

$P_{podst} = \pi r^2 = \pi \cdot \left(\frac{3}{\pi}\right)^2 = \pi \cdot \frac{9}{\pi^2} = \frac{9}{\pi}$

$V = P_{podst} \cdot h = \frac{9}{\pi} \cdot 6 = \frac{54}{\pi}$

$P_{CAŁK} = 2P_{podst} + P_{boczn.} = 2 \cdot \frac{9}{\pi} + 36 =$

$P_{boczn} = a^2 = 36 \quad = \frac{18}{\pi} + 36 =$

$= 18\left(\frac{1}{\pi} + 2\right)$