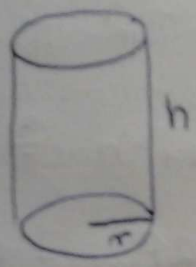
ZAD. 5.20 a



$r = 5$ $\quad V = P_{podst} \cdot h$

$h = 8$ $\quad P_{podst} = \pi r^2 = \pi \cdot 5^2 = 25\pi$

$V = 25\pi \cdot 8 = 200\pi$

$P_{CAŁK} = 2P_{podst} + P_{boku}$

$P_{boku} = ob_o \cdot h = 10\pi \cdot 8 = 80\pi$

$ob_o = 2\pi r = 2\pi \cdot 5 = 10\pi$

$P_{CAŁK} = 2 \cdot 25\pi + 80\pi = 50\pi + 80\pi = 130\pi$