The cylinder has a height of 1.2 m , radius 0.4 m and is open at the top. The inside surface is painted at a cost of $\$ 2.30$ per m.2.
Calculate the cost of painting the inside surface.
Write a surface area of cylinder:

$A=2 \pi r^{2}+2 \pi r h=2 \pi r(r+h)$.
Write formula without top:
$A=\pi r^{2}+2 \pi r h$
$\pi 0.4^{2}+2 \pi \cdot 0.41 .2=3.519$
Calculate cost of painting:
Cost $=2.3 * 3.519=8.09 \$$

Answer: 8\$9c.

