## Area and Volume of Cylinders (A)

Calculate the surface area and volume for each cylinder.
Surface Area $=\left(\pi r^{2} \times 2\right)+(\pi d \times h) \quad$ Volume $=\pi r^{2} \times h \quad d=2 r$
1.

$r=1.2 \mathrm{~km} \quad h=3.6 \mathrm{~km}$
Surface Area $=$
Volume $=$
3.

$r=18 \mathrm{ft} \quad h=27.2 \mathrm{ft}$
Surface Area $=$
Volume $=$
2.


$$
d=12.6 \mathrm{~cm} \quad h=7.5 \mathrm{~cm}
$$

Surface Area $=$
Volume $=$
4.

$d=12 \mathrm{~m} \quad h=18.6 \mathrm{~m}$
Surface Area $=$
Volume $=$

