

Volume of a Cylinder

Use the formula $V = \pi r^2 h$ to find the volume of each cylinder. Use 3.14 for π .

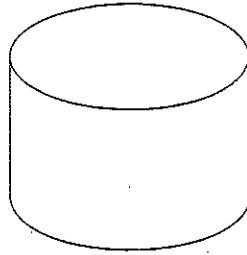
Also find the surface area:
 $SA = 2\pi r^2 + 2\pi rh$

1.



$r = 3 \text{ cm}$
 $h = 12 \text{ cm}$
 Volume \approx _____

2.



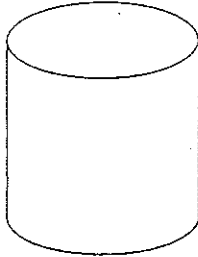
$r = 7 \text{ mm}$
 $h = 7 \text{ mm}$
 Volume \approx _____

3.



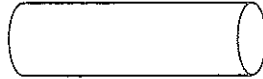
$r = 1 \text{ cm}$
 $h = 9 \text{ cm}$
 Volume \approx _____

4.



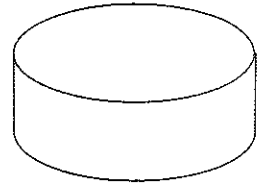
$r = 4 \text{ cm}$
 $h = 7 \text{ cm}$
 Volume \approx _____

5.



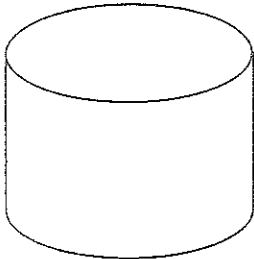
$r = 1 \text{ dm}$
 $h = 6 \text{ dm}$
 Volume \approx _____

6.



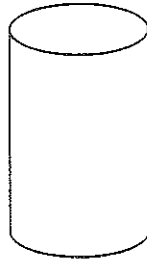
$r = 5 \text{ mm}$
 $h = 3 \text{ mm}$
 Volume \approx _____

7.



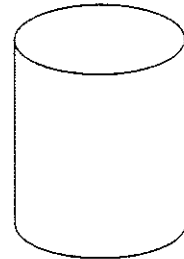
$r = 5 \text{ cm}$
 $h = 6 \text{ cm}$
 Volume \approx _____

8.



$r = 2 \text{ cm}$
 $h = 6 \text{ cm}$
 Volume \approx _____

9.



$r = 10 \text{ mm}$
 $h = 20 \text{ mm}$
 Volume \approx _____