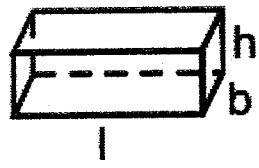
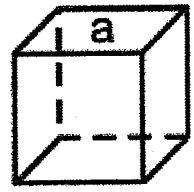
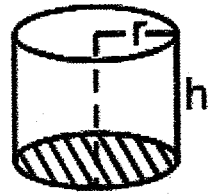
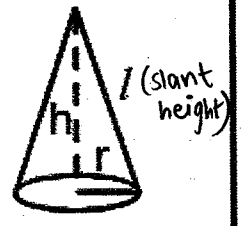
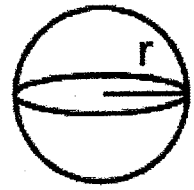
| Name | Figure | Curved Surface area | Total surface area | Volume |
|---|---|---|---|---|
| Cuboid |   | $2h(l+b)$ | $2(lb+bh+lh)$ | $lbh$ |
| Cube |   | $4a^2$ | $6a^2$ | $a^3$ |
| Right circular cylinder |   | $2\pi rh$ | $2\pi r(r+h)$<br>$2\pi r^2 + 2\pi rh$ | $\pi r^2 h$ |
| Right circular cone |   | $\pi rl$ | $\pi r(l+r)$<br>$\pi r^2 + \pi rl$ | $\frac{1}{3}\pi r^2 h$ |
| Sphere |   | – | $4\pi r^2$ | $\left(\frac{4}{3}\right)\pi r^3$ |
| Hemi-sphere |   | $2\pi r^2$ | $3\pi r^2$<br>$2\pi r^2 + \pi r^2$ | $\left(\frac{2}{3}\right)\pi r^3$ |

Trignometric Identities

$\sin^2 x + \cos^2 x = 1$

$\tan^2 x + 1 = \sec^2 x$

$\cot^2 x + 1 = \csc^2 x$