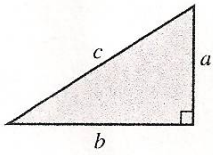


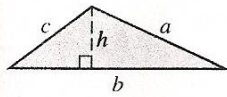
area A perimeter P circumference C volume V curved surface area S altitude h radius r

RIGHT TRIANGLE



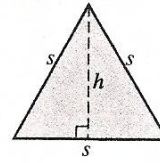
Pythagorean Theorem: $c^2 = a^2 + b^2$

TRIANGLE



$A = \frac{1}{2}bh$ $P = a + b + c$

EQUILATERAL TRIANGLE



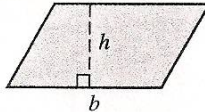
$h = \frac{\sqrt{3}}{2}s$ $A = \frac{\sqrt{3}}{4}s^2$

RECTANGLE



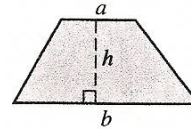
$A = lw$ $P = 2l + 2w$

PARALLELOGRAM



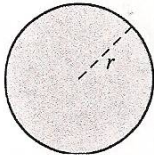
$A = bh$

TRAPEZOID



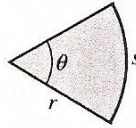
$A = \frac{1}{2}(a + b)h$

CIRCLE



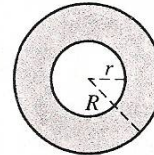
$A = \pi r^2$ $C = 2\pi r$

CIRCULAR SECTOR



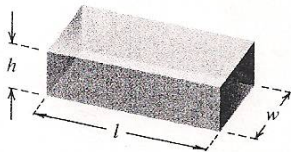
$A = \frac{1}{2}r^2\theta$ $s = r\theta$

CIRCULAR RING



$A = \pi(R^2 - r^2)$

RECTANGULAR BOX



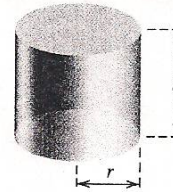
$V = lwh$ $S = 2(hl + lw + hw)$

SPHERE



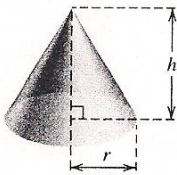
$V = \frac{4}{3}\pi r^3$ $S = 4\pi r^2$

RIGHT CIRCULAR CYLINDER



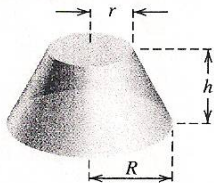
$V = \pi r^2 h$ $S = 2\pi r h$

RIGHT CIRCULAR CONE



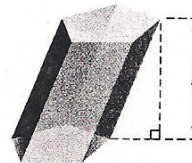
$V = \frac{1}{3}\pi r^2 h$ $S = \pi r \sqrt{r^2 + h^2}$

FRUSTUM OF A CONE



$V = \frac{1}{3}\pi h(r^2 + rR + R^2)$

PRISM



$V = Bh$ with B the area of the base