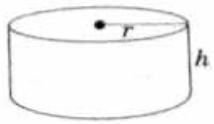
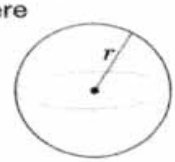
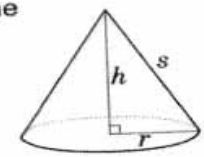
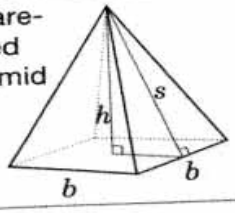
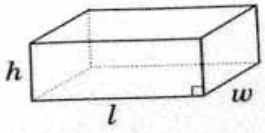
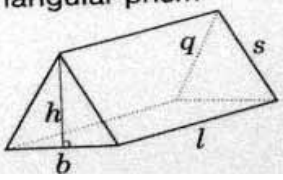
Geometric Figure	Area/Surface Area	Volume
Cylinder 	$A_{base} = \pi r^2$ $A_{lateral\ surface} = 2\pi rh$ $A_{total} = A_{2\ bases} + A_{lateral\ surface}$	$V = \pi r^2 h$
Sphere 	$A = 4\pi r^2$	$V = \frac{4}{3}\pi r^3$ *or* $V = \frac{4\pi r^3}{3}$
Cone 	$A_{lateral\ surface} = \pi rs$ $A_{base} = \pi r^2$ $A_{total} = A_{lateral\ surface} + A_{base}$	$V = \frac{1}{3}\pi r^2 h$ *or* $V = \frac{\pi r^2 h}{3}$
Square-based pyramid 	$A_{triangle} = \frac{1}{2}\ bs$ $A_{base} = b^2$ $A_{total} = A_{4\ triangles} + A_{base}$	$V = \frac{1}{3}\ b^2 h$ *or* $V = \frac{b^2 h}{3}$
Rectangular prism 	$A = 2(wh + lw + lh)$	$V = lwh$
Triangular prism 	$A_{triangle} = \frac{1}{2}\ bh$ $A_{rectangles} = ls + lb + lq$ $A_{total} = A_{rectangles} + A_{2\ triangles}$	$V = \frac{1}{2}\ bhl$ *or* $V = \frac{bhl}{2}$