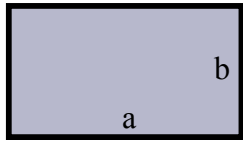


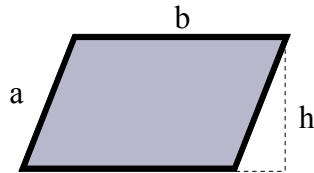
Volumes and Areas

AREA



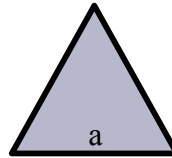
Rectangle

Perimeter = $2a + 2b$
Area = $a \times b$



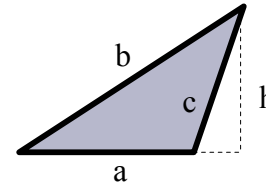
Parallelogram

Perimeter = $2a + 2b$
Area = $b \times h$



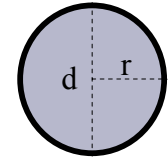
Equilateral Triangle

Perimeter = $3a$
Area = $(1/4) \sqrt{3} a^2$



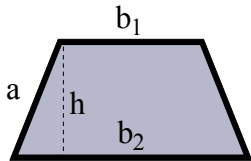
Triangle

Perimeter = $a + b + c$
Area = $(a \times h) / 2$



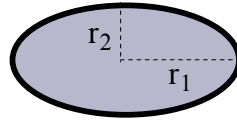
Circle

Circumference = $2 \times \pi \times r$
Area = πr^2



Trapezoid

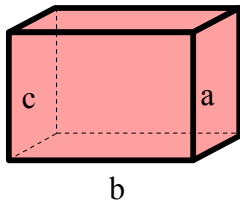
Perimeter = $2a + b_1 + b_2$
Area = $h/2 (b_1 + b_2)$



Ellipse

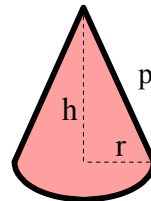
Area = $\pi r_1 r_2$

VOLUME



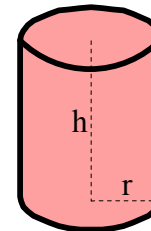
Rectangular Block

Volume = $a \times b \times c$
Surface Area = $2(a \times b) + 2(c \times b) + 2(a \times c)$



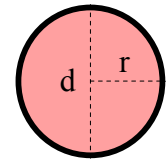
Cone

Volume = $1/3 \pi r^2 \times h$
Surface Area = $\pi \times r \times (r + (r^2 + h^2)^{1/2})$



Cylinder

Volume = $\pi r^2 h$
Surface Area = $(r \times h) + 2(\pi r^2)$



Sphere

Volume = $(4/3) \pi r^3$
Surface Area = $4 \pi r^2$