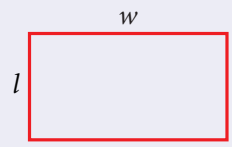
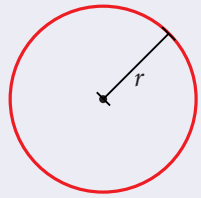
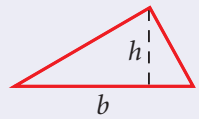
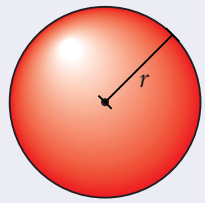
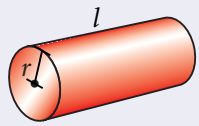
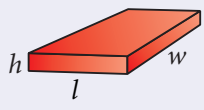
Geometry

Table 7 provides equations for the area and volume of several geometrical shapes used throughout this text.

Table 7 Geometrical Areas and Volumes

Geometrical shape	Useful equations
 rectangle	area = lw perimeter = $2(l + w)$
 circle	area = πr^2 circumference = $2\pi r$
 triangle	area = $\frac{1}{2}bh$
 sphere	surface area = $4\pi r^2$ volume = $\frac{4}{3}\pi r^3$
 cylinder	surface area = $2\pi r^2 + 2\pi rl$ volume = $\pi r^2 l$
 rectangular box	surface area = $2(lh + lw + hw)$ volume = lwh