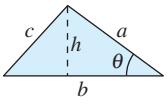
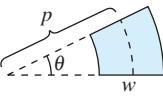
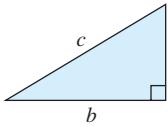
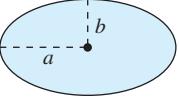
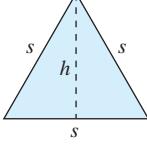
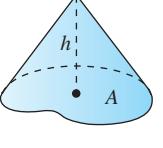
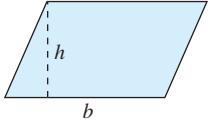
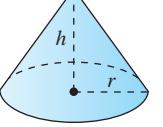
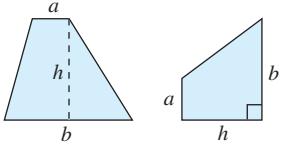
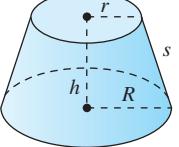
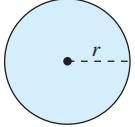
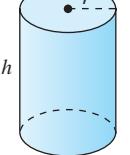
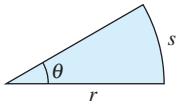
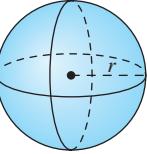
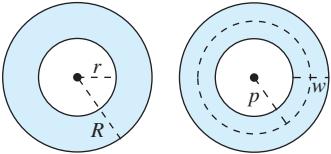


FORMULAS FROM GEOMETRY

<p>Triangle</p> $h = a \sin \theta$ $\text{Area} = \frac{1}{2}bh$ <p>(Law of Cosines)</p> $c^2 = a^2 + b^2 - 2ab \cos \theta$ 	<p>Sector of Circular Ring</p> <p>(p = average radius, w = width of ring, θ in radians)</p> $\text{Area} = \theta pw$ 
<p>Right Triangle</p> <p>(Pythagorean Theorem)</p> $c^2 = a^2 + b^2$ 	<p>Ellipse</p> $\text{Area} = \pi ab$ $\text{Circumference} \approx 2\pi \sqrt{\frac{a^2 + b^2}{2}}$ 
<p>Equilateral Triangle</p> $h = \frac{\sqrt{3}s}{2}$ $\text{Area} = \frac{\sqrt{3}s^2}{4}$ 	<p>Cone</p> <p>(A = area of base)</p> $\text{Volume} = \frac{Ah}{3}$ 
<p>Parallelogram</p> $\text{Area} = bh$ 	<p>Right Circular Cone</p> $\text{Volume} = \frac{\pi r^2 h}{3}$ $\text{Lateral Surface Area} = \pi r \sqrt{r^2 + h^2}$ 
<p>Trapezoid</p> $\text{Area} = \frac{h}{2}(a + b)$ 	<p>Frustum of Right Circular Cone</p> $\text{Volume} = \frac{\pi(r^2 + rR + R^2)h}{3}$ $\text{Lateral Surface Area} = \pi s(R + r)$ 
<p>Circle</p> $\text{Area} = \pi r^2$ $\text{Circumference} = 2\pi r$ 	<p>Right Circular Cylinder</p> $\text{Volume} = \pi r^2 h$ $\text{Lateral Surface Area} = 2\pi r h$ 
<p>Sector of Circle</p> <p>(θ in radians)</p> $\text{Area} = \frac{\theta r^2}{2}$ $s = r\theta$ 	<p>Sphere</p> $\text{Volume} = \frac{4}{3}\pi r^3$ $\text{Surface Area} = 4\pi r^2$ 
<p>Circular Ring</p> <p>(p = average radius, w = width of ring)</p> $\text{Area} = \pi(R^2 - r^2)$ $= 2\pi pw$ 	<p>Wedge</p> <p>(A = area of upper face, B = area of base)</p> $A = B \sec \theta$ 