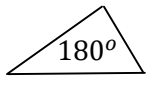


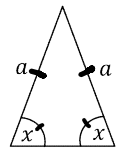
M8 - 5.0/7.0 - Shapes SA/V Table Review

Congruent (AngleSide)
SSS, SAS, ASA, AAS, HL

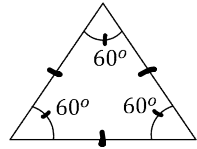
Triangles



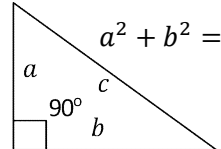
Scalene



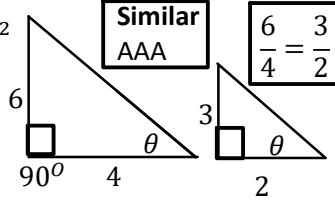
Isosceles



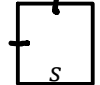
Equilateral



Right Angle

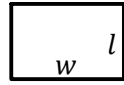


Square



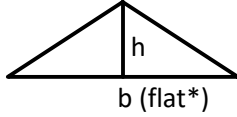
$A = s^2$
 $P = 4s$

Rectangle



$A = l \times w$
 $P = 2l + 2w$

Area & Perimeter



b (flat*)

Triangle

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

Circle



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

Shape	Surface Area	Volume
<p>Cube</p>	<p>Draw it Flat!</p> $SA = s^2 \times 6$	$V = Area_{base} \times height$ $V = s^3$
<p>Rectangular Prism</p>	$SA = 2(lw + lh + wh)$	$V = lwh$
<p>Cylinder</p>	$SA = 2\pi r^2 + 2\pi rh$	$V = \pi r^2 h$
<p>Triangular Prism</p>	$SA = bh + 2sH + bH$	$V = \frac{bh}{2} \times H$
<p>Cone</p>	$SA = \pi r^2 + \pi rs$	$V = \frac{1}{3} Area_{base} \times height$ $V = \frac{1}{3} \times (\pi r^2) \times h$
<p>Square-Based Pyramid</p>	$SA = 2bs + b^2$	$V = \frac{1}{3} \times b \times b \times h$
<p>General Right Pyramid</p>	$SA = \text{sum side faces}$	$V = \frac{1}{3} \times l \times w \times h$
<p>Sphere</p>	$SA = 4\pi r^2$	$V = \frac{4}{3} \pi r^3$