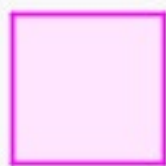


Areas

Square



$$A = l^2$$

$l$  : length of side

Rectangle



$$A = w \times h$$

$w$  : width  
 $h$  : height

Triangle



$$A = \frac{b \times h}{2}$$

$b$  : base  
 $h$  : height

Rhombus



$$A = \frac{D \times d}{2}$$

$D$  : large diagonal  
 $d$  : small diagonal

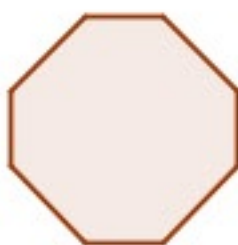
Trapezoid



$$A = \frac{B + b}{2} \times h$$

$B$  : large side  
 $b$  : small side  
 $h$  : height

Regular polygon



$$A = \frac{P}{2} \times a$$

$P$  : perimeter  
 $a$  : apothem

Circle



$$A = \pi r^2$$

$$P = 2\pi r$$

$r$  : radius  
 $P$  : perimeter

Cone  
(lateral surface)



$$A = \pi r \times s$$

$r$  : radius  
 $s$  : slant height

Sphere  
(surface area)



$$A = 4\pi r^2$$

$r$  : radius