

Geometry Formula Study Guide for ACT

Squares



s

$$A = s^2$$

$$P = 4s$$

Rectangles



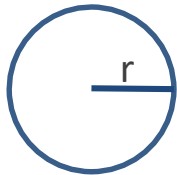
w

l

$$A = l \times w$$

$$P = 2l + 2w$$

Circles

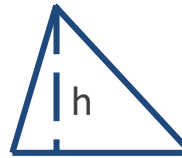


r

$$A = \pi r^2$$

$$C = 2\pi r$$

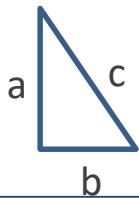
Triangles



B

$$A = \frac{1}{2} B \times h$$

Pythagorean Theorem

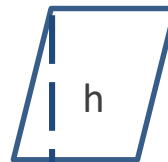


a

b

$$a^2 + b^2 = c^2$$

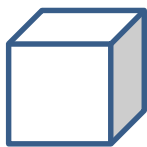
Parallelograms



B

$$A = B \times h$$

Cubes

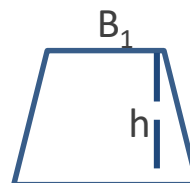


s

$$V = s^3$$

$$SA = 6 \times s^2$$

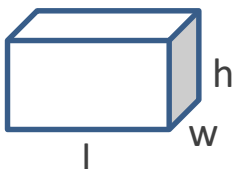
Trapezoids



B₂

$$A = \frac{B_1 + B_2}{2} \times h$$

Rectangular Prism



l

w

$$V = l \times w \times h$$

$$SA = 2lh + 2wh + 2lw$$

Cylinders



r

$$V = \pi r^2 \times h$$

$$SA = 2(\pi r^2) + 2\pi r \times h$$