

Grade 8IB

Formula Sheet

Polygons

$$\text{Area} = \frac{h_a \cdot s \cdot n}{2} \quad \text{where } h_a = \text{apothem}$$

$$\text{Sum of Angles} = 180^\circ(n - 2)$$

Circles

$$\text{Circumference} = 2\pi r \quad \text{or}$$

$$\text{Circumference} = \pi d$$

$$\text{Area} = \pi r^2$$