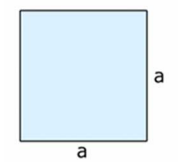
AREAS Y PERÍMETROS DE FIGURAS PLANAS

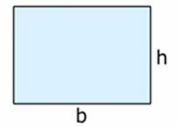
Cuadrado



$$A = a^2$$

$$P = 4a$$

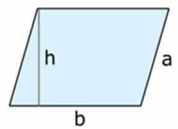
Rectángulo



$$A = b \cdot h$$

$$P = 2b + 2h$$

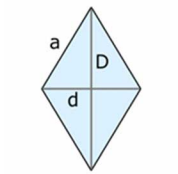
Paralelogramo



$$A = b \cdot h$$

$$P = 2b + 2a$$

Rombo

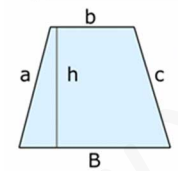


$$A = \frac{d \cdot D}{2}$$

$$P = 4a$$

$$4a^2 = d^2 + D^2$$

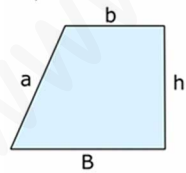
Trapecio



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

$$P = a + b + B + c$$

Trapecio recto

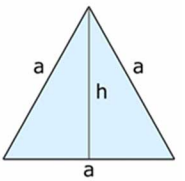


$$A = \frac{b + B}{2} h$$

$$P = a + b + B + h$$

$$a^2 = (B - b)^2 + h^2$$

Triángulo equilátero

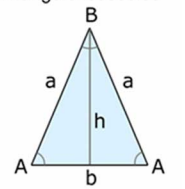


$$A = \frac{a \cdot h}{2} = \frac{\sqrt{3}}{4} a^2$$

$$P = 3a$$

$$h = \frac{\sqrt{3}}{2} a$$

Triángulo isósceles



$$A = \frac{b \cdot h}{2} = \frac{a \cdot b \cdot \text{sen } A}{2}$$

$$P = 2a + b\,,$$

$$4a^2 = 4h^2 + b^2$$

$$h = a \cdot \text{sen } A$$

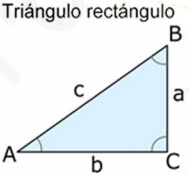
Triángulo escaleno

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

$$P = a + b + c$$

$$h = c \cdot \text{sen } A = a \cdot \text{sen } C$$

Triángulo rectángulo



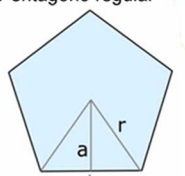
$$A = \frac{b \cdot a}{2} \qquad P = a + b + c$$

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

$$a = c \cdot \text{sen } A = c \cdot \cos B$$

$$b = c \cdot \text{sen } B = c \cdot \cos A$$

Pentágono regular



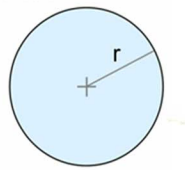
$$A = \frac{5a \cdot b}{2}$$

$$P = 5b \qquad 4r^2 = 4a^2 + b^2$$

$$b = \frac{r}{2}\sqrt{10 - 2\sqrt{5}}$$

$$a = \frac{r}{4}\sqrt{6 + 2\sqrt{5}}$$

Círculo



$$A = \pi r^2$$

$$P = 2\pi r$$