

Notes 6.7 Perimeter, circumference, and area

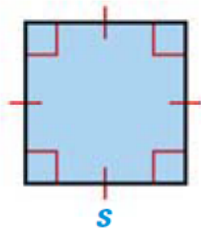
Formulas for Perimeter P , Area A , and Circumference C

Square

side length s

$$P = 4s$$

$$A = s^2$$

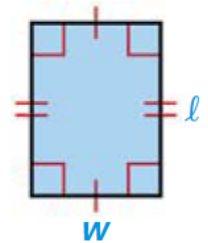


Rectangle

length ℓ and width w

$$P = 2\ell + 2w$$

$$A = \ell w$$

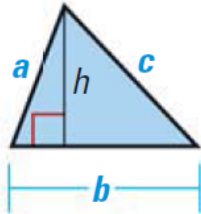


Triangle

side lengths a , b , and c , base b , and height h

$$P = a + b + c$$

$$A = \frac{1}{2}bh$$

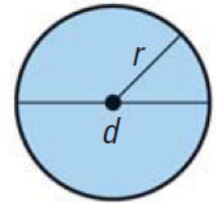


Circle

diameter d and radius r

$$C = \pi d = 2\pi r$$

$$A = \pi r^2$$



Use the π button on the calculator.

Do not use 3.14 to do calculations!

Triangles:

The **base b** can be any side of a triangle. The **height h** is a segment from a vertex that forms a right angle with a line containing the base. The height may be a side of the triangle or in the interior or the exterior of the triangle.

