

QUESTION :

one side of regular hexagon is $x+2$,its perimeter is?

Answer

The perimeter of a regular hexagon is

$P = 6a$, a is the side of the hexagon and P is the perimeter.

$P = 6x + 12$, the perimeter of the regular hexagon with a side $x+2$.

Explanation

Let

$a = x + 2$, the side of a regular hexagon

$P =$ perimeter

Required

$P = ?$, The perimeter of the hexagon

Solution

The formula for the perimeter of a regular hexagon :

$$P = 6a$$

$$P = 6(x+2)$$

$$= (6 \times x) + (6 \times 2)$$

$$P = 6x + 12 , \text{the expression for the perimeter of the regular hexagon}$$