

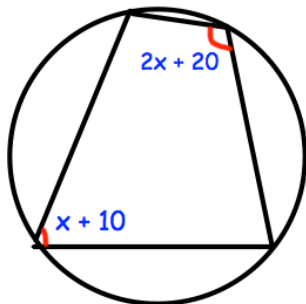
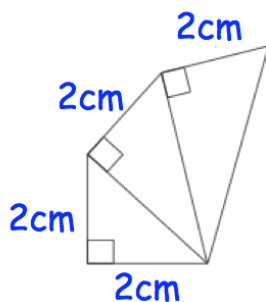
Simplify  $\sqrt{180}$ Simplify  $\sqrt{180} + \sqrt{20}$ 

Expand and simplify

$$(7x^2 + 1)(2x - 3) - 3x(x^2 - 4)$$

$$w = 2^4 \times 3 \times 5^3$$

Find the smallest number by which  $14w$  would need to be multiplied by to give a cube number.

Find  $x$ .

A logo is formed from 3 smaller triangles.

What is the perimeter of the logo?