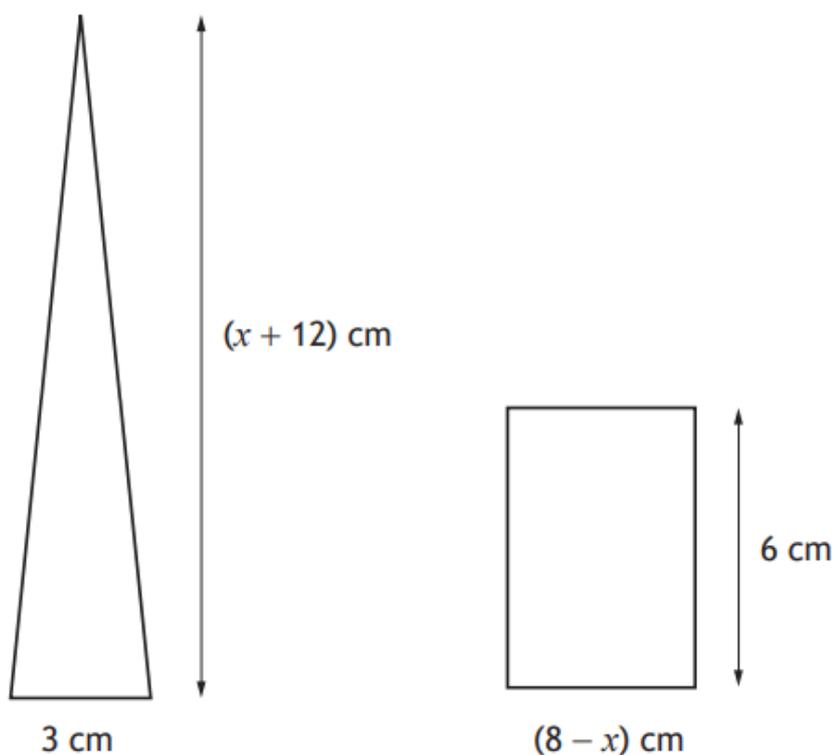


A triangle and rectangle are shown in the diagram.



- (a) Find an expression for the area of the triangle. 1
- (b) Given that the area of the triangle is equal to the area of the rectangle, find algebraically the value of  $x$ . 4

Answers:

(a)  $\frac{3}{2}(x+12)$

(b)  $x = 4$