15 The diagram shows a trapezium.

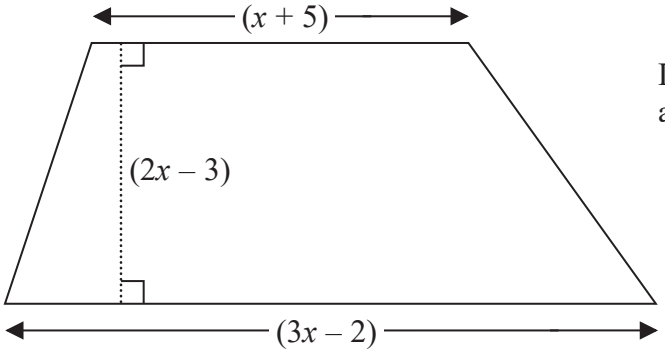


Diagram **NOT** accurately drawn

All measurements shown on the diagram are in centimetres.

The area of the trapezium is 133 cm^2

(a) Show that $8x^2 - 6x - 275 = 0$

(3)

(b) Find the value of x.
Show your working clearly.

$x =$

(3)

(Total for Question 15 is 6 marks)

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